



# SKILLS HUB GOVERNANCE

Governance Framework, User Guides, Learning Path Management  
and Micro-Credential Workflow

## D5.4 Skills Hub Governance



## Deliverable information

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For more information visit project's [website](#).

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## Lists of abbreviations

| <b>ABBR</b> | <b>Description</b>                                                |
|-------------|-------------------------------------------------------------------|
| AI          | Artificial Intelligence                                           |
| ASA         | Automotive Skills Alliance                                        |
| EBSI        | European Blockchain Services Infrastructure                       |
| ECTS        | European Credit Transfer and Accumulation System                  |
| ECVET       | European Credit System for Vocational Education and Training      |
| EQF         | European Qualifications Framework                                 |
| Erasmus+    | European Union Programme for Education, Training, Youth and Sport |
| EU          | European Union                                                    |
| FGB         | Fundació BCN Formació Professional (Project Partner)              |
| GA          | Grant Agreement                                                   |
| MOOC        | Massive Open Online Course                                        |
| PU          | Public (Dissemination Level)                                      |
| URL         | Uniform Resource Locator                                          |
| VET         | Vocational Education and Training                                 |

## Executive summary

Skills Hub is presented as one trusted gateway for addressing a fragmented training landscape. It supports education and training planners, coordinators, companies, individuals, providers, and regional or national representatives by connecting training needs, job roles, skills and sectoral priorities through a common platform environment.

The ecosystem hosts the Reference Automotive-Mobility Competence Matrix, a catalogue of providers, a catalogue and database of training courses, a catalogue of Learning Paths and recognition through micro-credentials. Skills Hub serves as a basis for the Future Mobility Academy and as a pioneering supporting software tool for the automotive-mobility ecosystem.

The platform connects different academies and providers. More than 600 courses are offered by providers, and Skills Hub is connected with a Moodle based learning platform providing more than 120 free of charge online courses in the automotive sector and growing into related areas such as mobility and chemical topics. It also combines ERASMUS+ and other project results.

The governance approach is role-based. Learners search for courses, follow learning paths, complete training and receive credentials or badges. Training providers register in the system, input course information, map courses to skills and job roles, verify course completion and support credential issuing.

# 1 Introduction to Skills Hub

The Skills Hub ecosystem is designed to support structured learning, competence transparency and training coordination in the automotive mobility ecosystem. It responds to the need for a clearer overview of training offers, job-role requirements and skill development opportunities. The platform is described as a trusted gateway that brings together competence frameworks, courses, providers, learning paths and micro-credentials.

## 1.1 Motivation and Strategic Purpose

The motivation for Skills Hub is the fragmentation of the training landscape where education and training planners and coordinators lack a strategic overview of available and needed training. Skills-Hub addresses this by presenting one trusted gateway and by linking training opportunities to structured skills intelligence.

The public entry point is: <https://skills-hub.eu>

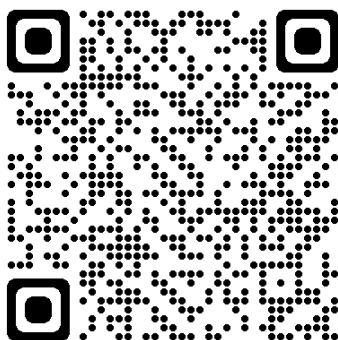


Figure 1. Skills Hub URL.

## 1.2 Vision: Future Mobility Academy and the Skills Hub Ecosystem

Skills Hub is foundation for the Future Mobility Academy and a pioneering supporting software tool. Its strategic purpose is to host a Reference Automotive-Mobility Competence Matrix with the job roles and competencies needed in the ecosystem. Around that matrix, Skills Hub provides a catalogue for education and training courses, a catalogue of providers, a database of course offers, recognition via micro-credentials and a catalogue of Learning Paths.

The catalogue function connects existing courses and providers. The provider catalogue supports network extension and helps users find the right provider. The course database gives an overview and direct connection to existing courses. Micro-credentials are enabled by mapping learning outcomes to the competence matrix. Learning Paths collect courses that lead to a defined job role or skill set.

## 1.3 Course Catalogue, Competence Matrix and Learning Path Ecosystem

The Skills Hub connects different academies and providers. More than 600 courses are offered by providers. Learning paths are described as combinations of courses that guide a learner toward a job role. The platform also

connects the Reference Competence Matrix, the courses catalogue and digital badges, which are micro-credentials provided in addition to existing full certificates with the ability to be sealed in DiplomaSafe system.

The plug-in concept of Skills Hub can connect to existing academies and provider systems rather than replacing them. This makes the platform a coordinating layer for skills, courses, providers and recognition mechanisms across initiatives.

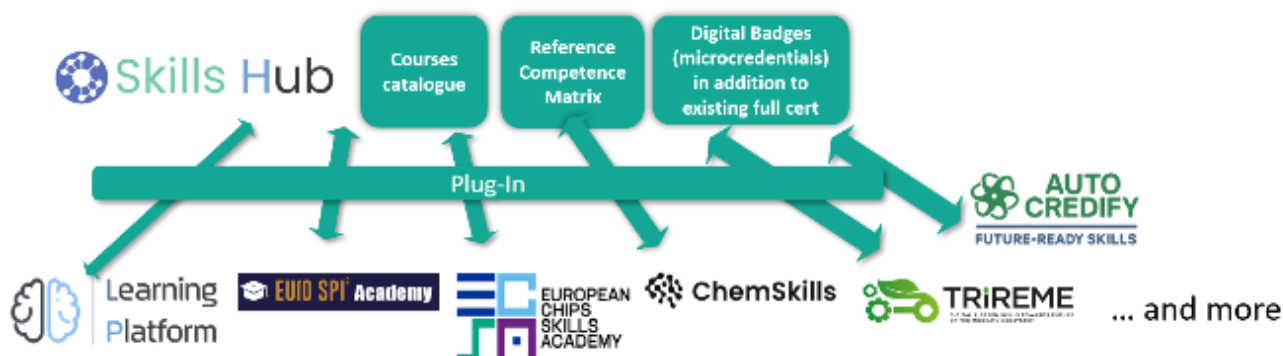


Figure 2. Skills Hub as a connecting layer for academies, providers, courses and digital badges.

## 2 Skills Hub Stakeholders

The Skills Hub ecosystem addresses four main stakeholder groups: companies, individuals, education or training providers and regional or national representatives. Each group uses the same ecosystem from a different perspective, but all benefit from the platform's connection between job roles, competences, training offers and recognition.



Figure 3. Skills Hub target groups.

## 2.1 Companies

Companies use Skills Hub to identify trending courses for employee up-skilling and re-skilling. The platform serves as a way to extend the network and effectiveness of HR providers. A typical company use case is to search for courses aligned with workforce needs, job roles or strategic trends, then connect with the relevant education and training providers.

## 2.2 Individuals

Individuals use Skills Hub when they aim to embark on a new learning journey. They can browse the training catalogue, review learning opportunities, follow learning paths, complete training and access credentials or badges that document acquired skills and achievements. Registered learners also gain access to personalised platform features and progress tracking.

## 2.3 Education and Training Providers

Education and training providers use Skills Hub to search for job role-based curricula, update their own courses or offer their own training courses to a wider network. Providers can register, maintain their organisation profile, upload online or face-to-face courses, map their courses to skills and job roles and support recognition through micro-credentials.

## 2.4 Regional and National Representatives

Regional and national representatives use Skills Hub to support regional workforce development and the implementation of strategies. The platform provides a structured overview of training offers, occupational requirements and competence relationships that can support planning, coordination and policy-oriented decision making.

# 3 Skills Hub Ecosystem Architecture

The Skills Hub architecture is built around linked catalogues and recognition services. The Reference Automotive-Mobility Competence Matrix provides the common vocabulary for job roles, skills, competences and knowledge areas. The course catalogue and provider catalogue connect this vocabulary to real training offers. Learning Paths combine courses into structured journeys, while micro-credentials recognise achieved competences and proficiency levels.

## 3.1 Competence Matrix

The competence matrix hosts the job roles and competencies needed for the automotive-mobility ecosystem and beyond. It is used to connect labour market requirements with learning outcomes and training courses. In the governance model, the matrix is the reference point for mapping courses, generating learning paths and issuing micro-credentials.

## 3.2 Course Catalogue and Provider Catalogue

The course catalogue is the database of course offers. It provides an overview of existing courses and enables direct connection to training opportunities. The provider catalogue helps users extend their network and connect to the right provider. Together, these catalogues enable the Skills Hub marketplace function.

## 3.3 Learning Paths and Micro-credentials

Learning Paths combine courses in a sequence that leads to a certain job role or skill set. Digital badges, presented as micro-credentials, provide recognised evidence of a competence or skill and its proficiency level. In this architecture, course mapping is the bridge between training content and credential issuance.

## 3.4 Moodle Learning Platform Integration

The Skills Hub is connected with a Moodle based learning platform. Courses are provided by the automotive community, including universities, VET schools, companies and others, and that the ecosystem draws on projects, initiatives and also ASA working groups at EU, national and regional level, including the Innovation Agent Working Group supporting development of the Innovation Agent MOOC for example.

Examples of training areas include automotive engineering, quality, functional safety, cybersecurity, electric powertrain, sustainability, innovation management, batteries for electromobility, electronics packaging and robotics for production. These examples show that the platform supports both technical and innovation-oriented competence development.



Figure 4. Learning platform offer and examples of training areas.

## 4 Governance Model

This section describes only the governance aspects of Skills Hub that are relevant for the integrated model for issuing micro-credentials. It does not define the full governance model of Skills Hub. The governance focus is the clear allocation of responsibilities across the credential lifecycle and the attribution structure applied to micro-credentials generated through the integrated model.

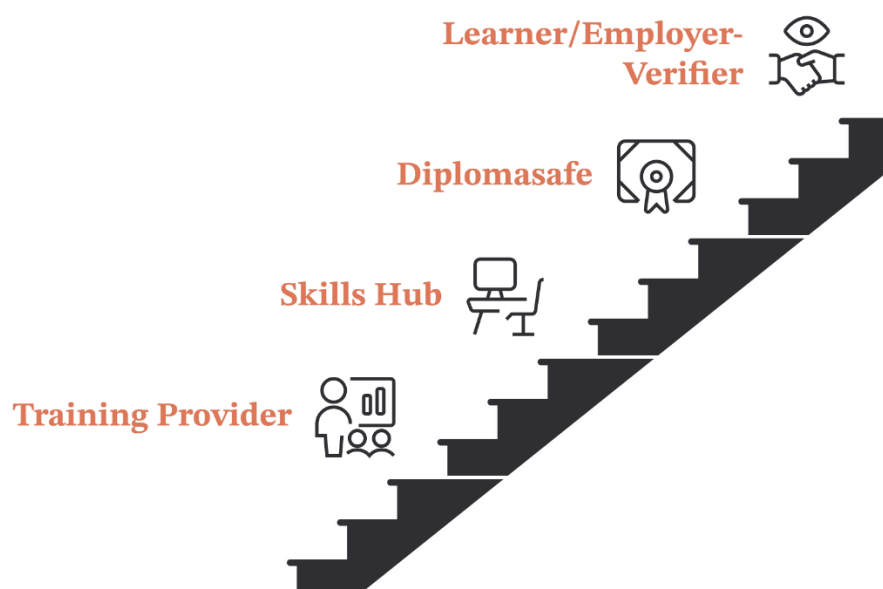


Figure 5. Governed responsibilities in the AutoCredify integrated model

| Role                   | Governed responsibility for AutoCredify micro-credentials                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| Training Provider      | Creates learning pathways, delivers learning activities, performs assessments, and validates learner achievement. |
| Skills Hub             | Manages learning pathways, learning outcomes, competences, learner achievements, and integration workflows.       |
| Diplomasafe            | Issues, seals, manages, and verifies micro-credentials.                                                           |
| Learner                | Completes learning activities, claims credentials, stores and shares credentials.                                 |
| Employer / Verifier    | Verifies credential authenticity and validity.                                                                    |
| AutoCredify Consortium | Monitors and validates interoperability and pilot implementation.                                                 |

In this project context, Skills Hub governance means ensuring that the learning pathway, learning outcomes, competences, learner achievements, and related integration workflows are managed consistently so that micro-credentials can be issued and verified according to the agreed attribution structure below.

### Attribution structure for issued micro-credentials

| Attribution | Description |
|-------------|-------------|
|-------------|-------------|

|                  |                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------|
| Issued by        | The training provider responsible for the learning activity and assessment.                              |
| Verified through | Diplomasafe trusted credential infrastructure using the provider's authorised cryptographic credentials. |
| Powered by       | Skills Hub as the learning pathway and achievement management environment.                               |

The structure reflects the educational responsibility of the training provider, the learning ecosystem role of Skills Hub, and the trusted verification function of Diplomasafe. For AutoCredify, Skills Hub is therefore governed as the environment that supports pathway and achievement management, while issuance and verification remain attributed as defined above.

## 4.1 Main System Roles

Skills Hub defines two main system roles: Learner and Training provider. The Learner role searches for courses, follows learning paths, completes training and receives credentials or badges. The Training provider role registers as a provider, inputs training course information, maps courses to skills and job roles, verifies course completion and supports credential issuing.

| Role                     | Core responsibilities                                                                                                                                    | Governance purpose                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Learner</b>           | Searches for courses; follows learning paths; completes training; receives credentials / badges.                                                         | Uses the Skills Hub to plan, complete and evidence learning progress.                         |
| <b>Training provider</b> | Registers as provider; inputs training course information; maps course to skills and job roles; verifies course completion; supports credential issuing. | Maintains quality-assured course information and enables recognition of learner achievements. |

## 4.2 Registration Requirements and Participation Model

Training providers must be registered in the system. Learners can use the system without registration, but progress and learning account functionality is not available without an account. Registration: [Register at: Register - Skills Hub](#)

## 4.3 Learner Registration

New users create a Skills Hub account by providing basic personal details and accepting the platform Terms of Use. The key mandatory fields identified in the presentation are Email and Password. Optional fields are Name, Surname, Job, Country and Gender. The purpose of registration is to enable personalised platform features, allow users to follow learning opportunities and support participation in the Skills Hub ecosystem.

## 4.4 Provider Registration

Training organisations can register as providers to join the Skills Hub network and make their training offer visible across Europe. Provider opportunities include presenting organisation expertise and training areas, uploading online or face-to-face courses, mapping courses to skills and job roles and supporting recognition through micro-credentials. Registration requires basic user details and a unique organisation name.

The Terms of Use must be accepted as part of the registration process.

The registration form is divided into three main sections, each with a light orange header bar:

- Basic Information:** Contains five input fields: 'Email \*', 'Name', 'Surname', 'Password \*', and 'Enter again \*'.
- Optional Information:** Contains three fields: 'Job' (text input), 'Country' (dropdown menu showing 'Not specified'), and 'Gender' (radio buttons for 'Male', 'Female', and 'Don't want to specify', with 'Don't want to specify' selected).
- Course provider Information:** Contains one required field: 'Organisation name \*'.

Figure 6. Extracted visual elements: Registration and agreement to Terms of Use.

## 5 Learner Guide

The learner guide describes how individual users interact with Skills Hub to register, monitor progress, access credentials, manage profile settings and use the catalogues for training, job roles and competences. Registered learners gain access to a dashboard that functions as a portfolio of acquired skills, completed learning activities and earned achievements.

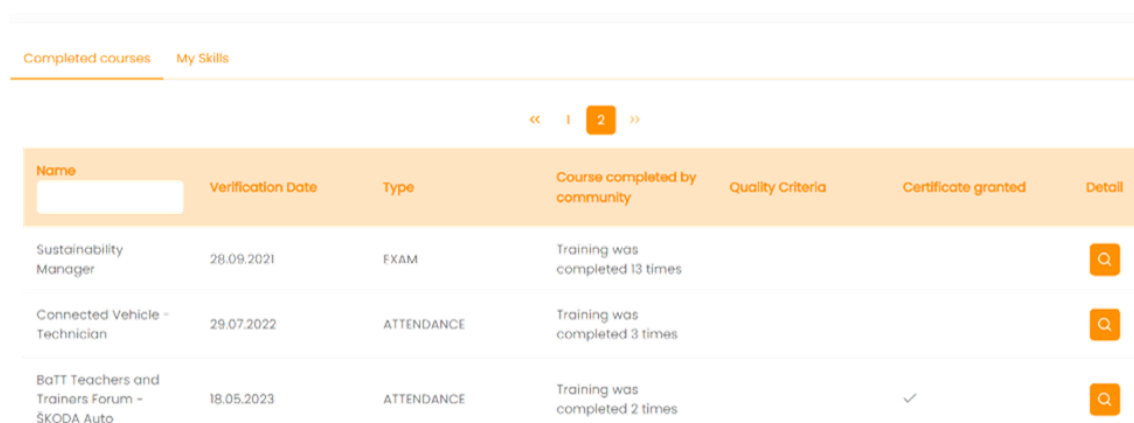
## 5.1 Registration

Learner registration begins with account creation through the Skills Hub registration page. Email and Password are identified as key mandatory fields, while Name, Surname, Job, Country and Gender are optional.

## 5.2 Learner Dashboard

The learner dashboard provides a personal overview of acquired skills, completed learning activities and earned achievements. It serves as the learner portfolio within Skills Hub and allows users to monitor learning progress and track evidence of competence development. Learners can view completed courses and learning achievements, track acquired skills, competences and knowledge areas, access earned credentials and review the training that contributed to each skill acquisition.

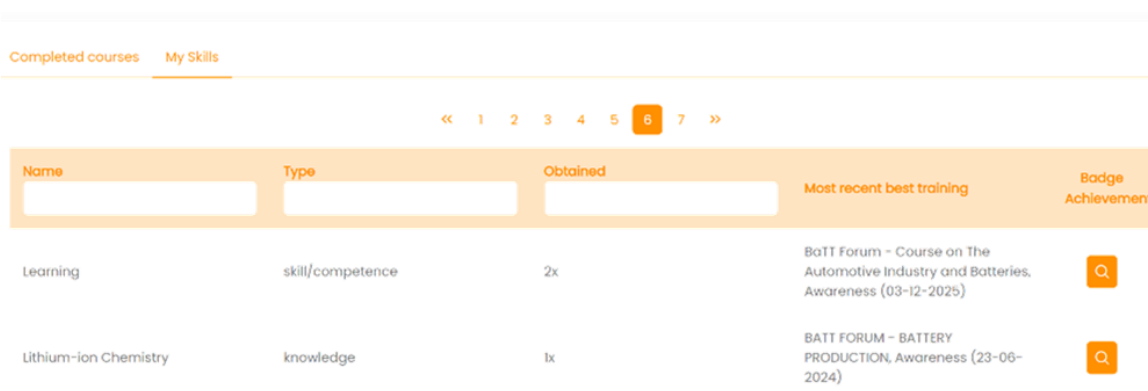
The dashboard screenshots show the learner-facing interface where personal progress and achievements are displayed. These screens are used to understand how the platform organises learning information for an individual user.



The screenshot shows the 'Completed courses' tab selected. A pagination bar at the top indicates page 2 of 2. The table below lists completed courses with columns for Name, Verification Date, Type, Course completed by community, Quality Criteria, Certificate granted, and a Detail icon.

| Name                                          | Verification Date | Type       | Course completed by community   | Quality Criteria | Certificate granted | Detail |
|-----------------------------------------------|-------------------|------------|---------------------------------|------------------|---------------------|--------|
| Sustainability Manager                        | 28.09.2021        | EXAM       | Training was completed 13 times |                  |                     |        |
| Connected Vehicle - Technician                | 29.07.2022        | ATTENDANCE | Training was completed 3 times  |                  |                     |        |
| BaTT Teachers and Trainers Forum - SKODA Auto | 18.05.2023        | ATTENDANCE | Training was completed 2 times  |                  | ✓                   |        |

Figure 7. Learner dashboard screenshot: overview area.



The screenshot shows the 'My Skills' tab selected. A pagination bar at the top indicates page 6 of 7. The table below lists achievements with columns for Name, Type, Obtained, Most recent best training, and a Badge Achievement icon.

| Name                  | Type             | Obtained | Most recent best training                                                            | Badge Achievement |
|-----------------------|------------------|----------|--------------------------------------------------------------------------------------|-------------------|
| Learning              | skill/competence | 2x       | BaTT Forum - Course on The Automotive Industry and Batteries, Awareness (03-12-2025) |                   |
| Lithium-ion Chemistry | knowledge        | 1x       | BATT FORUM - BATTERY PRODUCTION, Awareness (23-06-2024)                              |                   |

Figure 8. Learner dashboard screenshot: achievements and learning evidence.

## 5.3 Micro-Credentials

The Credentials area gives learners access to earned credentials and badges. Credentials can be used as evidence of training participation, assessment or competence achievement. The presentation later explains that learners

receive badge information by email and can access credentials through a dedicated page, even when the account is finalised after issuance.

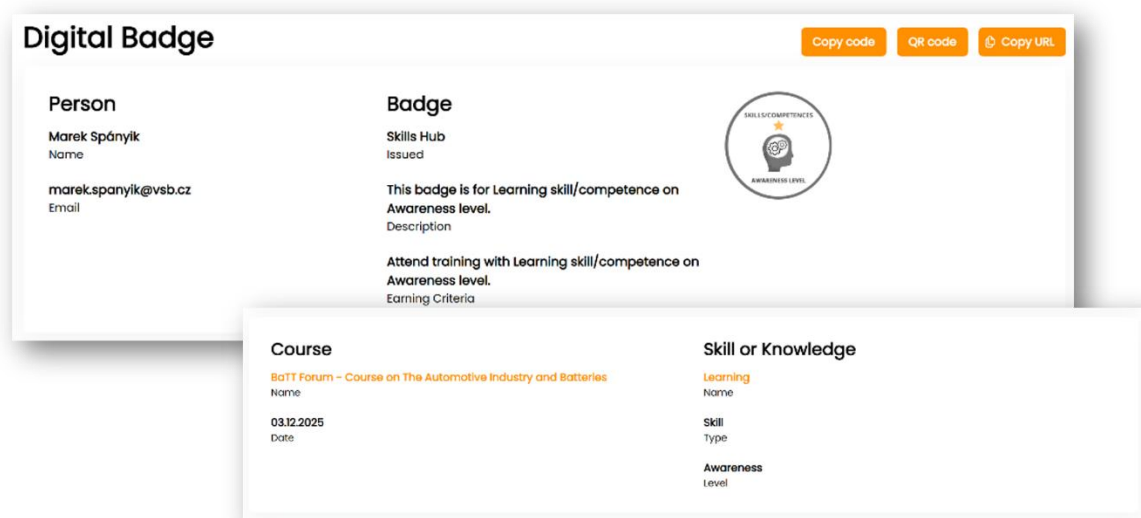


Figure 9. Learner credentials area.

The screenshot shows a 'Related courses' section with a table listing two courses. The table has columns for Name, Date, Level, and Detail. The first course is 'BATT FORUM - BATTERY PRODUCTION' with a date of '23.06.2024' and level 'Awareness'. The second course is 'BaTT Forum - Course on The Automotive Industry and Batteries' with a date of '03.12.2025' and level 'Awareness'. Each row has a 'Detail' button.

| Name ↕                                                       | Date ↕     | Level ↕   | Detail                 |
|--------------------------------------------------------------|------------|-----------|------------------------|
| BATT FORUM - BATTERY PRODUCTION                              | 23.06.2024 | Awareness | <a href="#">Detail</a> |
| BaTT Forum - Course on The Automotive Industry and Batteries | 03.12.2025 | Awareness | <a href="#">Detail</a> |

Figure 10. Extracted visual elements: Learner credential detail or credential overview screenshot.

## 5.4 Settings

The Settings area allows the learner to manage user profile information. User information can be changed there. This supports ongoing profile maintenance after account creation and helps learners keep personal details up to date.



Figure 11. Learner settings and user information management.

## 5.5 Training Catalogue

The Training Courses Catalogue is the primary entry point for learners seeking learning opportunities. It provides access to training offers from registered providers across multiple sectors and projects. Courses can be searched, filtered and explored by topic, duration, price, provider and relevance to specific skills and job roles. The catalogue forms the learning layer of the Skills Hub ecosystem.

Learners can browse and search available training courses, access course descriptions and learning outcomes, compare duration, workload and pricing, discover courses from multiple European providers and access training linked to skills and job roles.

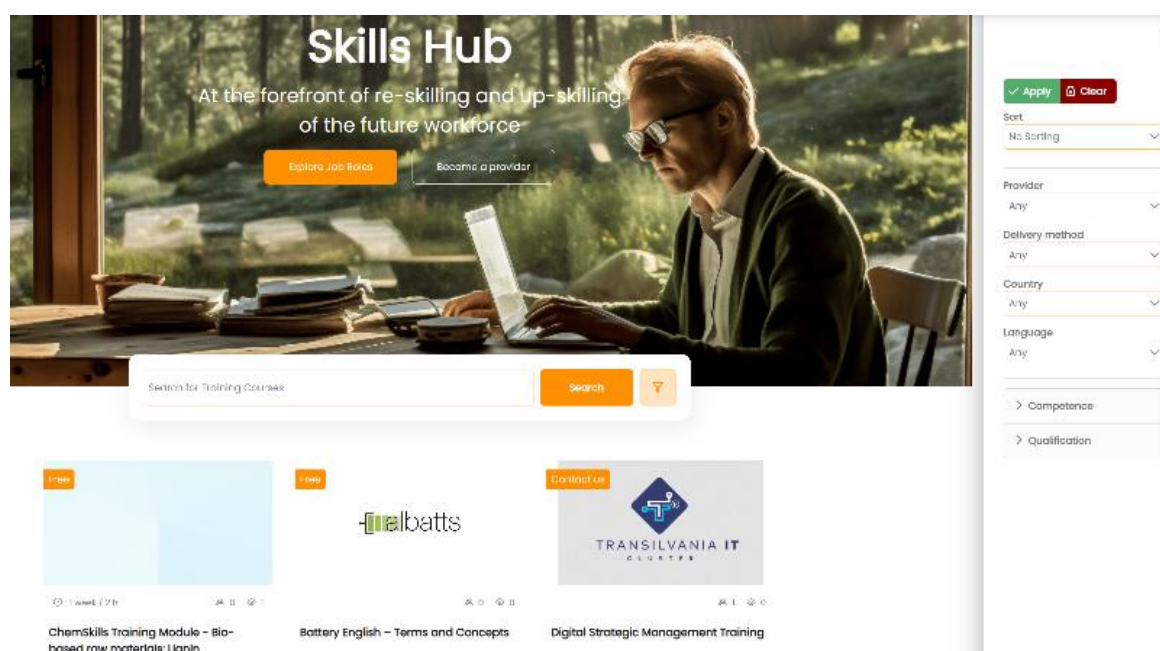


Figure 12. Training Courses Catalogue screenshot.

## 5.6 Job Roles Catalogue

The Job Roles Catalogue provides a structured repository of occupational profiles and role definitions. It connects workforce requirements with skills, competences and training opportunities. Users can search job roles across databases, working groups and strategic trends. The catalogue functions as a sector-specific competence matrix extending European frameworks such as ESCO.

Users can search and browse job role profiles, filter by working group, database and trend, explore role descriptions and requirements, view associated skills and training opportunities and support curriculum and learning pathway development.

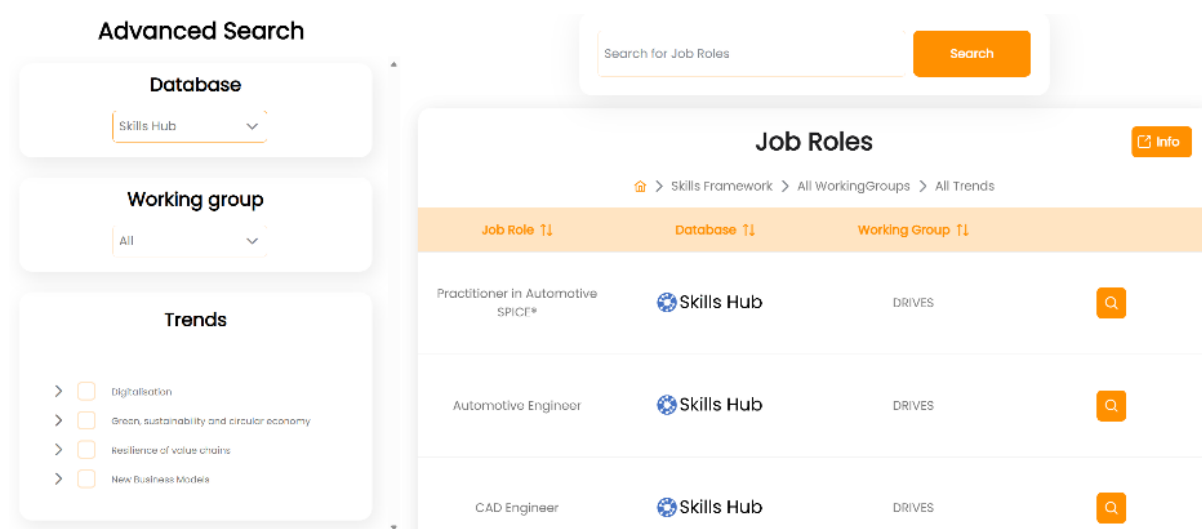


Figure 13. Job Roles Catalogue screenshot.

## 5.7 Competence Catalogue

The Skills and Competences Catalogue contains reference definitions of skills, competences and knowledge elements relevant to industrial ecosystems. It allows users to explore the capabilities required for different occupations and provides the foundation for course mapping, learning pathways and micro-credential issuance.

Users can browse skills, competences and knowledge elements, search by trends, working groups and databases, explore relationships between skills and job roles, access associated training opportunities and support course mapping and competence recognition.

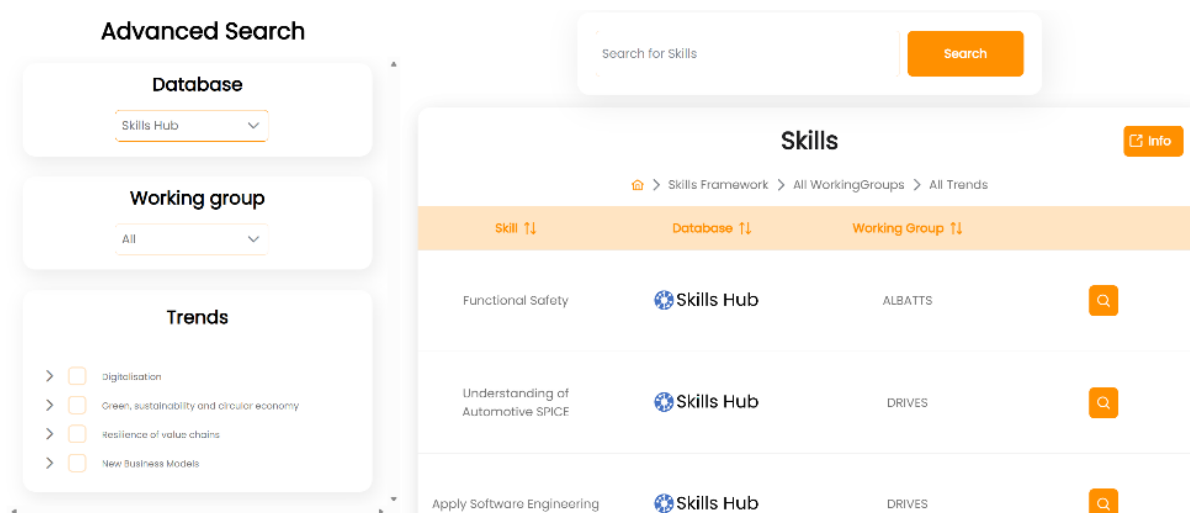


Figure 14. Competence catalogue screenshot.

## 6 Training Provider Guide

The training provider guide describes the provider journey from registration and profile completion to trend assignment, course creation, competence mapping and course publication. The provider dashboard is the central

management area for training organisations. It provides an overview of profile completion, course portfolio status, trend selection and readiness for issuing micro-credentials.

## 6.1 Provider Registration

Training organisations register as providers in order to join the Skills Hub network and make their training offer visible across Europe. Registration requires basic user details and a unique organisation name. Once registered, a provider can present organisation expertise and training areas, upload training courses, map courses to skills and job roles and support micro-credential recognition.

## 6.2 Provider Dashboard

The provider dashboard provides an overview of the provider profile. Information must be completed before providers can create courses and issue credentials. Missing items can be completed by selecting the corresponding button in the interface. This readiness model guides providers toward full participation in the ecosystem.

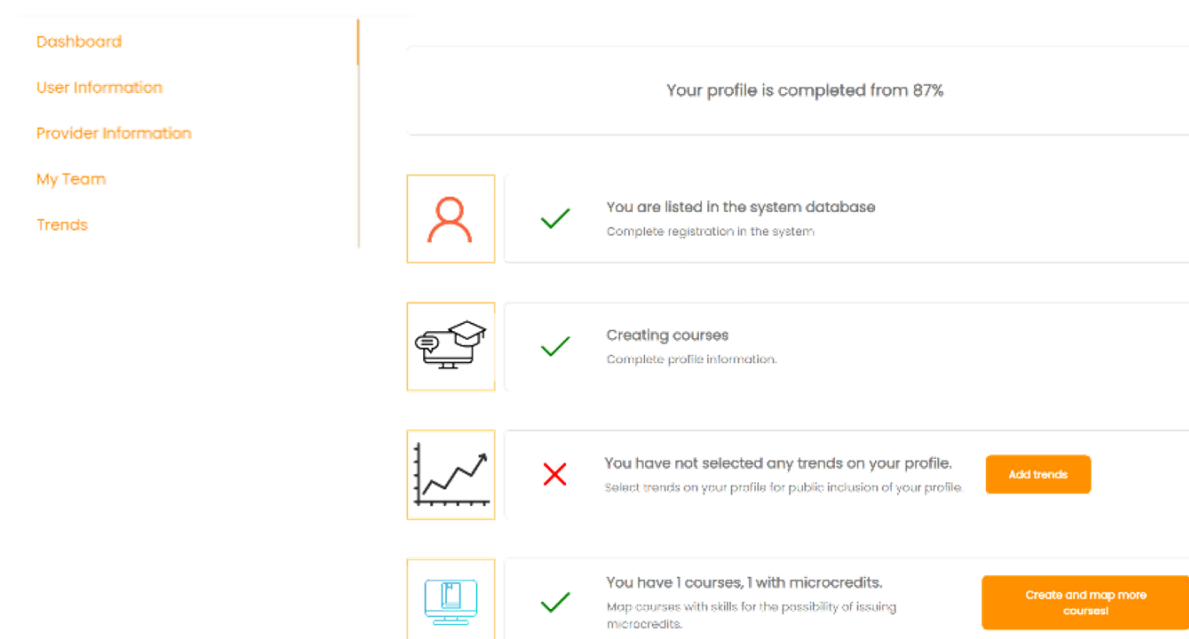


Figure 15. Extracted visual elements: Provider dashboard screenshot and profile completion guidance.

## 6.3 Provider Account and Organisation Information

The provider account area is used to manage organisation information and the public provider profile. Completing this information supports course creation and credential issuing because the platform must be able to associate courses and credentials with a recognised training organisation.

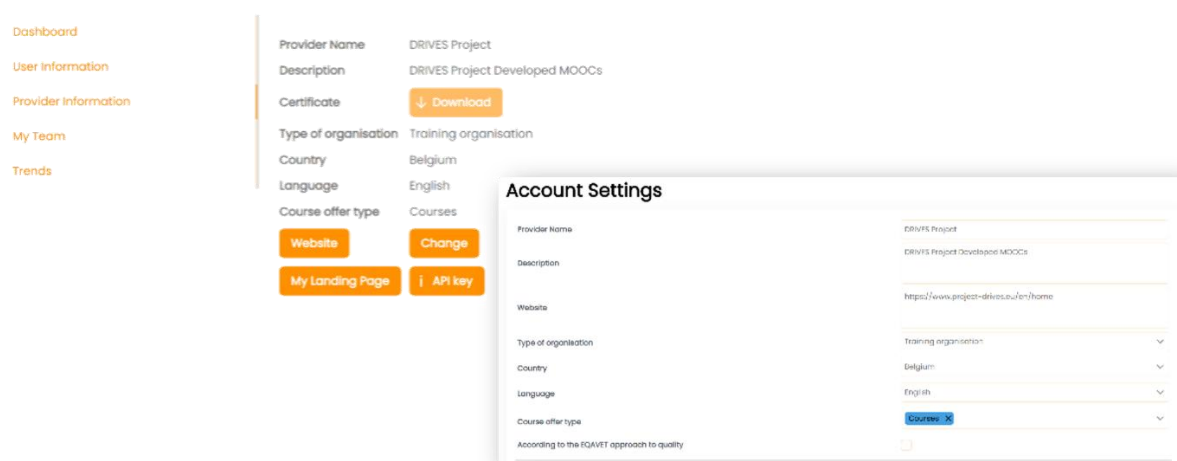


Figure 16. Provider account screenshot.

## 6.4 Trend Assignment

One or more trends need to be assigned. Trend selection helps position the provider's offer in relation to strategic or industry topics. This supports discoverability and alignment between provider expertise, course content and the Skills Hub competence framework.

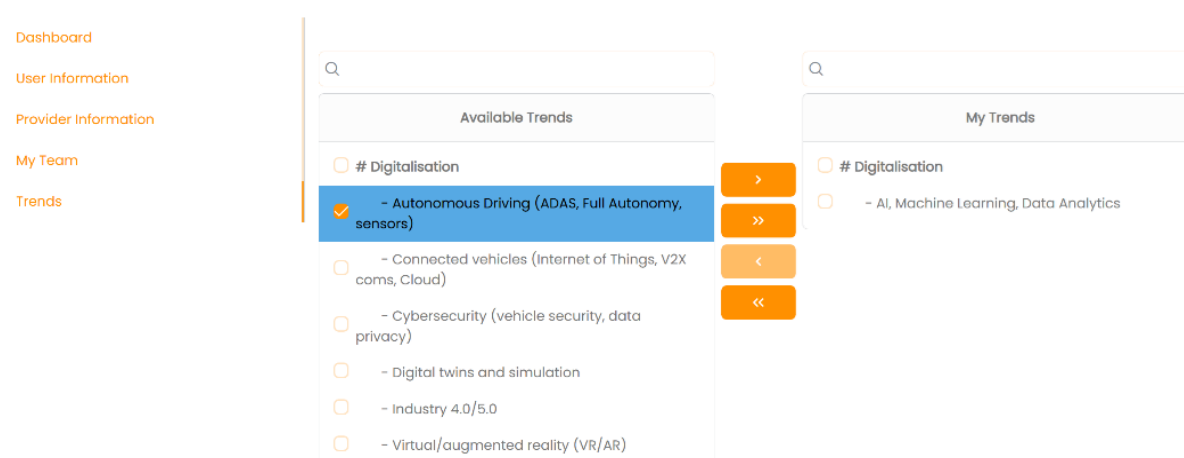


Figure 17. Provider trend assignment screen.

## 6.5 Course Management

### 6.5.1 Course Overview

After the provider profile is completed to 100%, the training provider can create a course. The course overview area allows courses to be edited, created or set to Public or draft. API information can also be accessed. This area is therefore the operational course management hub for providers.

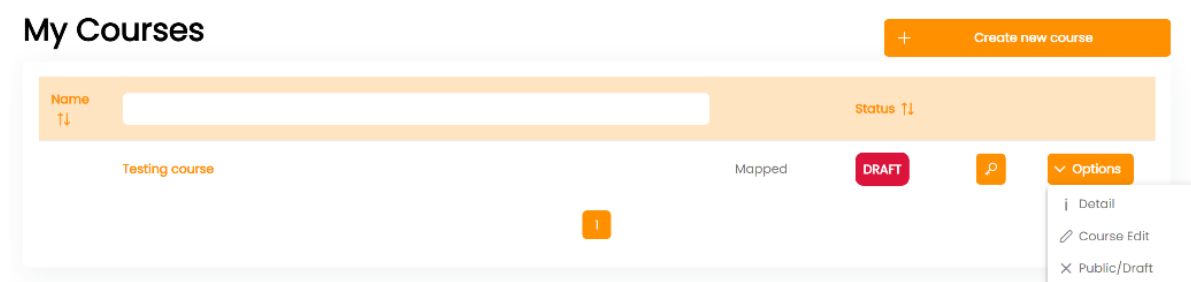


Figure 18. Course overview after 100% provider profile completion.

The course creation page and the course edit page lead to the same structured area. In this area, course information can be specified together with competence mapping. The structure ensures that new courses and edited courses use the same governance logic and are prepared for discovery, mapping and credential workflows.

## 6.6 Course Creation Workflow

Skills Hub enables training providers to create, publish and manage courses through a structured three-step process. This process ensures that courses are described consistently, linked to relevant skills and job roles and prepared for micro-credential issuance. The mapping approach connects learning outcomes to skills, competences and job roles, enabling recognition and credentialing.

The workflow contains three stages: Course Information, Course Delivery Methods and Skills and Knowledge Mapping.

### 6.6.1 Step 1 - Course Information

The first step captures the core information about the training offer. The presentation identifies the following information fields: course title and description, course url, learning outcomes, contact person, course duration and workload, entry requirements, course type, EQF level, ECTS / ECVET credits where applicable, pricing model, course category, course proof or certification and provider assignment. The slide states that mandatory fields are indicated in bold in the system.

The course title and description communicate what the course is about. The course url connects users to the training source or enrolment point. Learning outcomes provide the basis for later competence mapping. Contact person information supports communication with the provider. Duration, workload, entry requirements, type, EQF level and credits help learners and organisations understand level and effort. Pricing, category, proof or certification and provider assignment support course comparison, governance and recognition.

Use English to fill in fields

**Name \***  
Testing course

**Contact person**  
me

**Name \***  
test

**URL \***  
<https://homel.vsb.cz/~kom0110/>

**Email \***  
test@test.eu

**Description \***  
Description

**Learning Outcomes**  
test

**Weeks**  
0

**Hours per week**  
0

**Course Type \***  
Training Course

**ECTS / ECET**  
Course ECTS ECET

**EQF**  
EQF level

**Price (EUR)**  
Free Fee Premium  
Contact us

**Course Category \***  
General

**Course Proof**  
None   
Select  
CPD certificate

**Picture**

☐ Acknowledgement

Figure 19. Step 1 course information screenshot.

## 6.6.2 Step 2 - Course Delivery

In the second step, providers define how learners can access the course. The available delivery formats are Online, Onsite, Blended and Custom. Additional delivery information includes language, delivery description, start and end dates, attendance limits and location details for onsite training.

Delivery information helps learners understand the practical conditions of participation. It also helps companies and public stakeholders compare training availability across formats, languages, dates and locations.

Use English to fill in fields

**Delivery Type**  
Online Onsite  
Blended Custom

**Language**  
English

**Description**  
Description

**Online**  
Fully virtual delivery - may include live instructor-led sessions, self-paced learning, MOOCs, or on-demand resources. Suitable for remote learners and scalable training.

**Date Selection**  
Unlimited Limited

**Date Selection \***  
Start date - End date

**Attendees**  
Unlimited Limited

**Number of attendees \***  
0

**Selected course delivery methods**

| Type ↑↓ | Country ↑↓ | City | Address | Start date ↑↓ | End date ↑↓ | Language ↑↓ | Attendees | Remove                                | Edit                                |
|---------|------------|------|---------|---------------|-------------|-------------|-----------|---------------------------------------|-------------------------------------|
| Online  |            |      |         |               |             | English     | Unlimited | <input type="button" value="Remove"/> | <input type="button" value="Edit"/> |

\*In order to edit the delivery method, delete the method from the list below and create a new one.

Figure 20. Step 2 course delivery screenshot.

### 6.6.3 Step 3 - Competence Mapping

The final step connects the course to the Skills Hub reference framework. Providers select relevant skills, competences and knowledge areas, assign proficiency levels, review AI-supported mapping recommendations if learning outcomes were filled in Step 1, add additional manual mappings where required by searching in the Database, and then save and publish the course.

The mapping levels are Awareness, Practitioner and Expert. Mapping connects courses to job roles and competence requirements, improves course discoverability, enables learning pathway creation, supports issuance of micro-credentials and badges upon completion and contributes to a shared European skills framework.

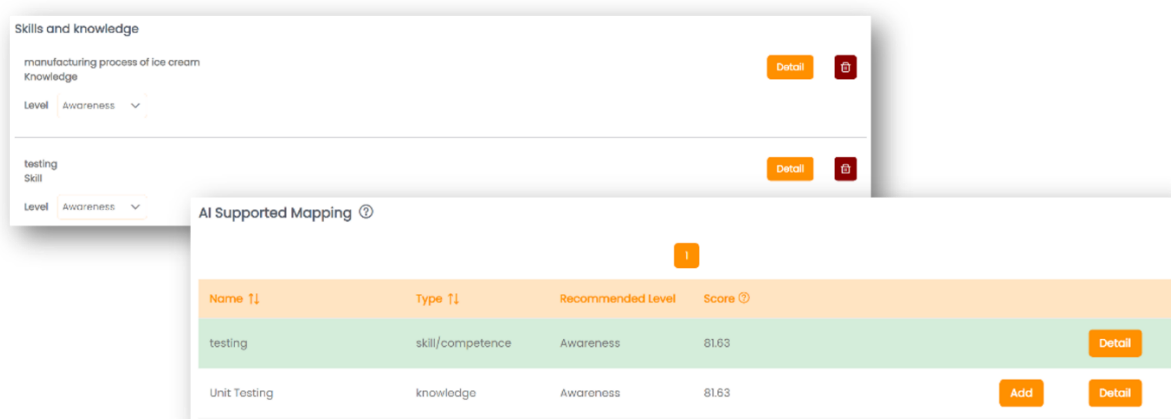


Figure 21. Step 3 competence mapping screenshot: recommendations and selection.

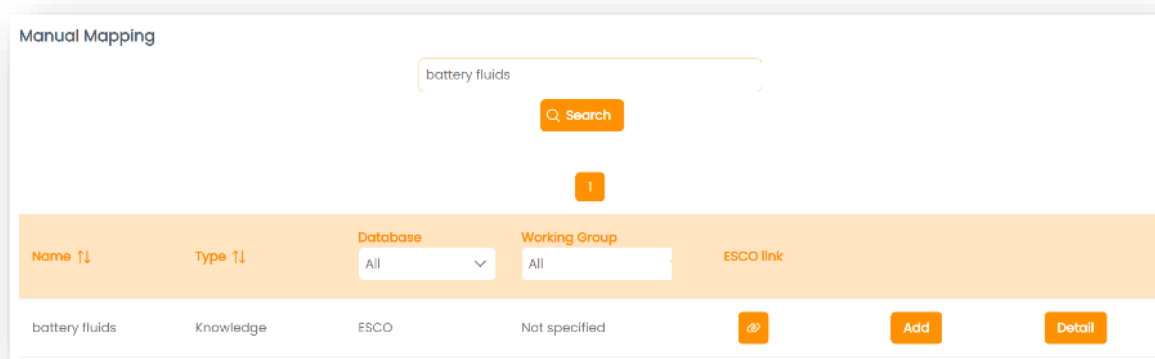


Figure 22. Step 3 competence mapping screenshot: database search and mappings.

When competences are not present in the Database, they can be added through a dedicated providers' care process by contacting the system administrators. Other questions can be resolved through the same support channel: [development@skills-alliance.eu](mailto:development@skills-alliance.eu).

## 6.7 Course Publication

After successful course creation, the course can be published and made accessible in the course catalogue. Publication makes the course visible to learners and other stakeholders and completes the transition from provider input to ecosystem availability.

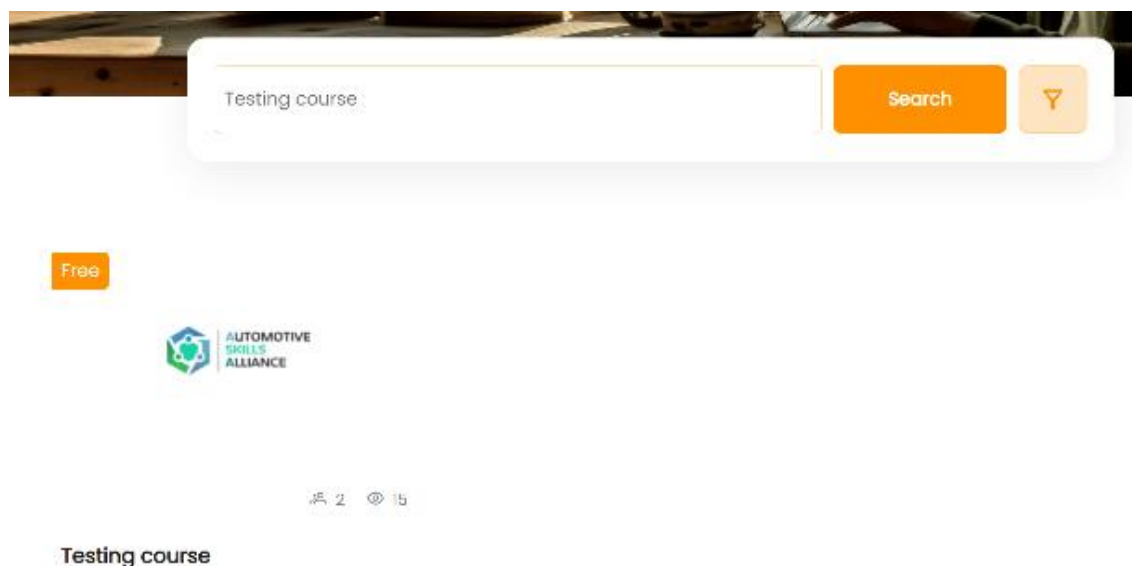


Figure 23. Course publication confirmation view.

## 7 Learning Paths

### 7.1 Overview

The Learning Paths module helps learners navigate training opportunities through structured development journeys. Instead of selecting individual courses separately, learners can follow curated pathways that combine multiple training activities aligned with a specific profession, competence area or career objective. The module supports both predefined pathways developed by experts and personalised pathways generated according to individual learning needs.

Available options include exploring predefined learning paths, generating personalised learning paths, saving and managing learning journeys and tracking progress through completed learning activities.

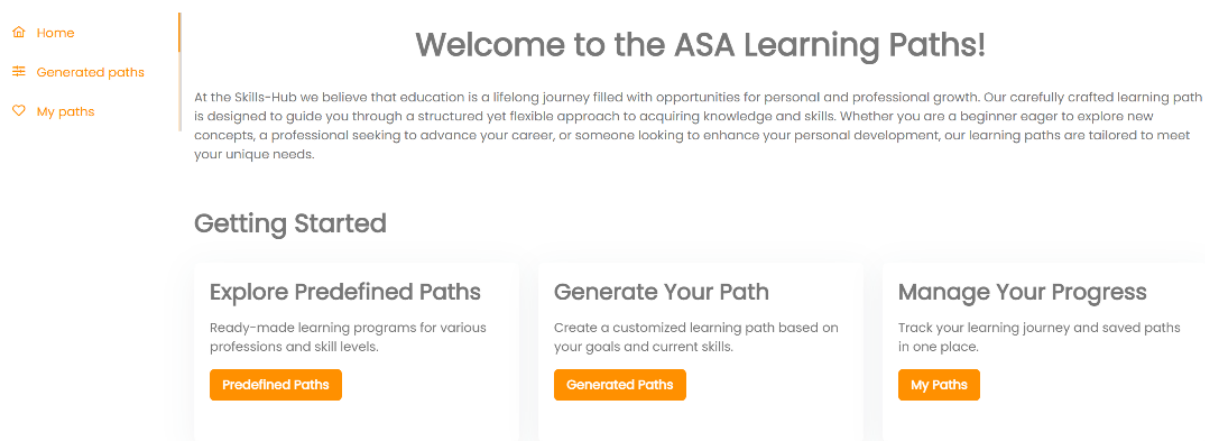


Figure 24. Learning Paths interface screenshot.

## 7.2 Predefined Learning Paths

Predefined Learning Paths are expert-designed training programmes that combine multiple courses into a coherent learning journey. Each path focuses on a specific occupational profile, technology domain or competence area and guides learners through progressively advanced topics.

Their key features include profession-oriented learning journeys, a curated sequence of training courses, structured progression from fundamentals to advanced topics, alignment with industry skills needs and ready-to-use learning recommendations. The presentation also states that self-assessment of previous knowledge supports more curated path progression, including progression based on credentials already achieved in the past.

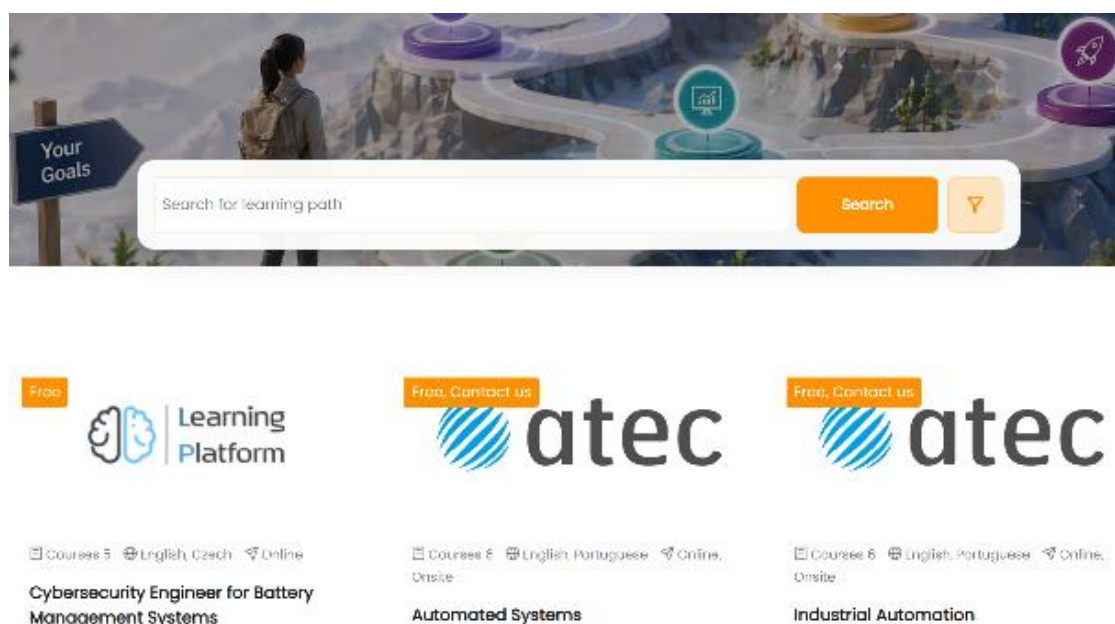


Figure 25. Predefined Learning Paths catalogue screenshot.

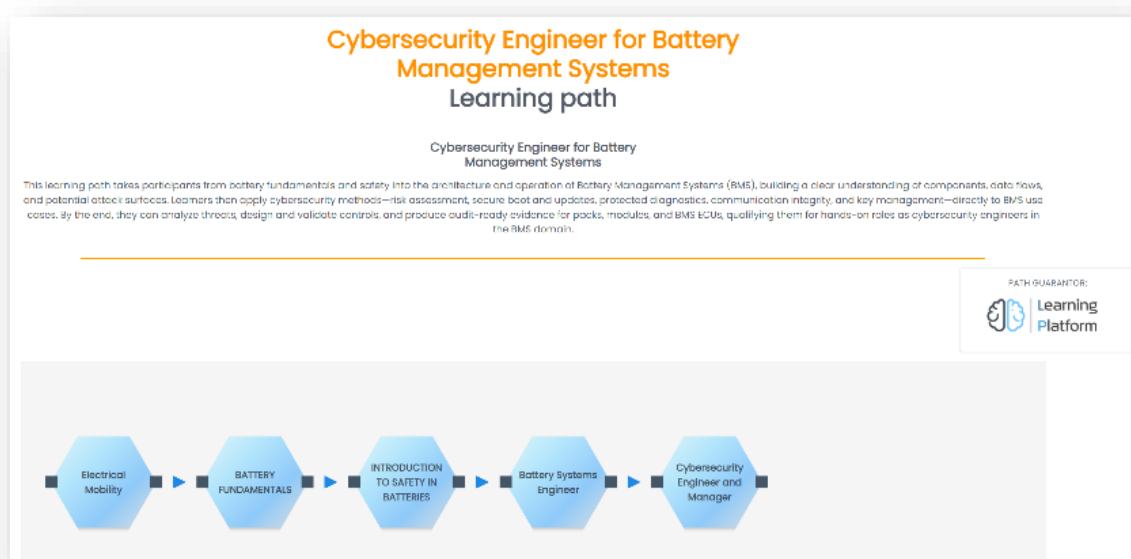


Figure 26. Predefined Learning Path detail screenshot.

### 7.3 Learning Path Structure

Each learning path contains a detailed description of the target competence area and a sequence of recommended training activities. Components include the learning path description and objectives, path guarantor or responsible organisation, recommended training courses, course descriptions and learning outcomes, duration and delivery information, enrolment links and progress tracking.

**Skills – Self Assessment**

If you would like a more personalized learning path according to your current skills level then fill in a short self evaluation questionnaire and we will generate a new Learning path for you.

[Start Self Assessment](#)

**Trainings in this Learning Path<sup>①</sup>**

**Cybersecurity Engineer and Manager**

Design of modern vehicles requires to consider security related norms (SAE J3061, ISO 21434) and the implementation of security related design patterns.

Duration: 72 h   Price: Free   Language: Czech   Delivery: Online

[Enroll](#) [More info](#)

**Battery Systems Engineer**

For decades batteries in vehicles were just 12 V led batteries to provide power to start the vehicle and to provide power for the electronic control units in the car. Once you start the car an alternator reloads the battery during drive.

This electric supply was sufficient for a long time until the drivers of change impacted the entire automotive industry...

Duration: 12 h   Price: Free   Language: -   Delivery: Online

[Enroll](#) [More info](#)

Figure 27. Learning path structure screenshot.

## 7.4 Personalised Learning Paths

In addition to predefined pathways, learners can generate customised learning paths based on the reference job roles. The source references Job Roles - Skills Hub as the basis for personalised path generation.

The process includes completion of a self-assessment questionnaire, identifying current competence levels, analysing skill gaps, generating a tailored learning path and following recommended training activities. The benefits are that learning recommendations adapt to individual needs, unnecessary training is reduced, identified skill gaps are prioritised and upskilling or reskilling becomes more efficient.

The referenced job role catalogue link is: [Job Roles - Skills Hub](#)



Figure 28. Personalised Learning Path process and benefits.

## 7.5 Learning Path Governance

Learning Path governance requires the necessary courses to be linked to the learning path from the Skills Hub catalogue of courses. Learning path creation is currently in pilot phase and can be established through collaboration with the providers care team via a dedicated excel file.

# 8 Micro-Credentials and Digital Badges

## 8.1 Concept

A Digital Badge is defined in the presentation as a proven and recognized achievement of a competence or skill and its proficiency level. The example provided is Artificial Intelligence - level Expert. A trainee can see the badge in the system, share it to social networks, and benefit from sealing and verification through EBSI via DiplomaSafe.

The badge is linked to Quality Assurance and Type of Assessment. It is parallel to, and an add-on to, existing certificates. The Training Organisation is the issuer. A training organisation with courses plugged into Skills Hub registers trainees to the system so that they can receive a Digital Badge.

## 8.2 Badge Issuance Workflow

The micro-credential workflow begins when courses are mapped and published in the Skills Hub course catalogue. The training is then delivered and trainees are trained. After delivery, the training provider enters the system and specifies the achievement for trainees.

- **Course mapping:** courses are mapped to skills, competences, knowledge elements and relevant proficiency levels in Skills Hub.
- **Training delivery:** trainees participate in the training activity provided by the training organisation.
- **Achievement recording:** the provider specifies the trainee achievement in the system.
- **Credential issuance:** attendance or assessment credentials are issued according to the information entered.
- **Learner notification:** students receive badge information by email and can access badges through a dedicated page.
- **Badge verification:** credentials can be sealed and verified through the DiplomaSafe workflow described in the presentation.

The screenshot shows a web form titled "Verification of Course Completion". The form is divided into several sections:

- Course:** A dropdown menu showing "Battery Applications Training".
- Assessment Type:** Three radio buttons: "Attendance" (unselected), "Exam" (selected), and "Certificate" (selected).
- End date:** A text input field containing "20.01.2026".
- Seal credential in DiplomaSafe:** A checkbox that is checked.
- Assessment description:** A text area containing "In person exam with ABCD written part and oral part (90 minutes)".
- Proof Document:** A section with a "Choose File" button and the text "No file chosen".
- Result:** A text area with the placeholder "Specify result of the assessment".
- Emails:** A text area on the right containing two email addresses: "trainee1@navarra.eu" and "trainee2@navarra.eu". Below this, a note says "Enter emails separated by a new line:" followed by two more example emails: "john.doe@example.com" and "monna.doe@example.com".
- Verify courses:** An orange button at the bottom left.

Figure 29. Micro-credential workflow: mapped courses, training delivery and provider achievement entry.

## 8.3 Attendance Credentials and Grey Badges

For attendance, grey credentials are issued. In this case, assessment information is not mandatory. Parallel certificate information is optional. This supports recognition of participation or attendance without requiring an exam-based assessment record.

## 8.4 Assessment Credentials and Golden Badges

For an exam, assessment information is mandatory and golden credentials are awarded. Proof document is optional, while Results is mandatory. The presentation states that DiplomaSafe sealing is triggered in this view. When verifying the results, the provider certifies the achievement information in the system.

**Verification & Data Processing Declaration**

**Verification Responsibility**

- The information provided is accurate, complete, and based on evidence available to me.
- The uploaded proof document(s) are authentic, valid, and sufficient to support this verification.
- I am authorized to perform this verification on behalf of my organization.
- In the event of incorrect verification, fraudulent documentation, or any resulting issues, I accept responsibility for initiating correction, re-issuance, suspension, or termination of the affected credential(s).

**Personal Data & GDPR**

- I understand that the uploaded documentation may contain personal data.
- I confirm that any personal data included in the verification process is processed lawfully and only for the purpose of assessing, issuing, validating, or managing credentials.
- Where applicable, I have the necessary authorization, legal basis, or consent required under the General Data Protection Regulation (GDPR) and applicable national legislation.
- If the assessment contains special categories of personal data or otherwise sensitive information, I confirm that appropriate safeguards and legal grounds for processing are in place.
- I understand that uploaded documents and verification records may be retained for audit, compliance, quality assurance, accreditation, and credential management purposes in accordance with applicable retention policies.

**DiplomaSafe Sealing**

- If the "Seal credential in DiplomaSafe system" option is selected, I authorize the credential and associated verification metadata to be recorded and sealed within the DiplomaSafe trust infrastructure.

☒ **I have read and agree to the Verification & Data Processing Declaration.**

**Cancel** **I Confirm and Verify**

Figure 30. Attendance and exam credential rules, grey and golden badges, and DiplomaSafe trigger.

## 8.5 Learner Notification and Account Finalisation

Students receive information about badges by email. The badges can be accessed through a dedicated page, and the account can be finalised if the trainee does not already have an account. This enables credential issuance even before full learner registration is completed.

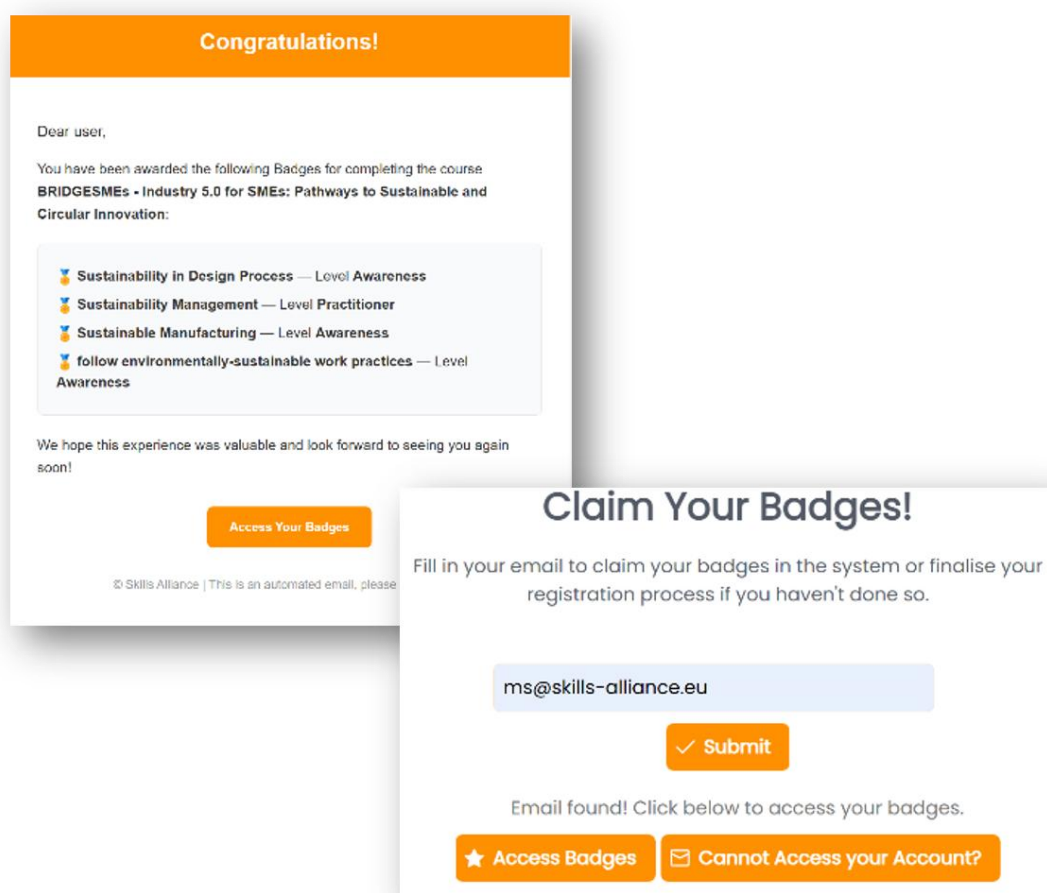


Figure 31. Learner notification by email and dedicated badge access page.

## 8.6 Credential Overview and Verification

The overview of credentials can be accessed by the user. Additional workflow screenshots show how credentials are viewed, checked and progressed through the issuance and verification process. These views support transparency for learners and provide evidence that issued credentials are available in the system.

| Badge                                                                               | Preferred label ↑↓                                       | Type ↑↓          | Highest level ↑↓ | Badge Achievement                                                                                                       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | maintain a safe, hygienic and secure working environment | skill/competence | Awareness        |  <a href="#">Badge Achievement</a> |
|  | Battery Material                                         | knowledge        | Awareness        | <a href="#">Badge Achievement</a>                                                                                       |

Figure 32. User access to the credential overview.

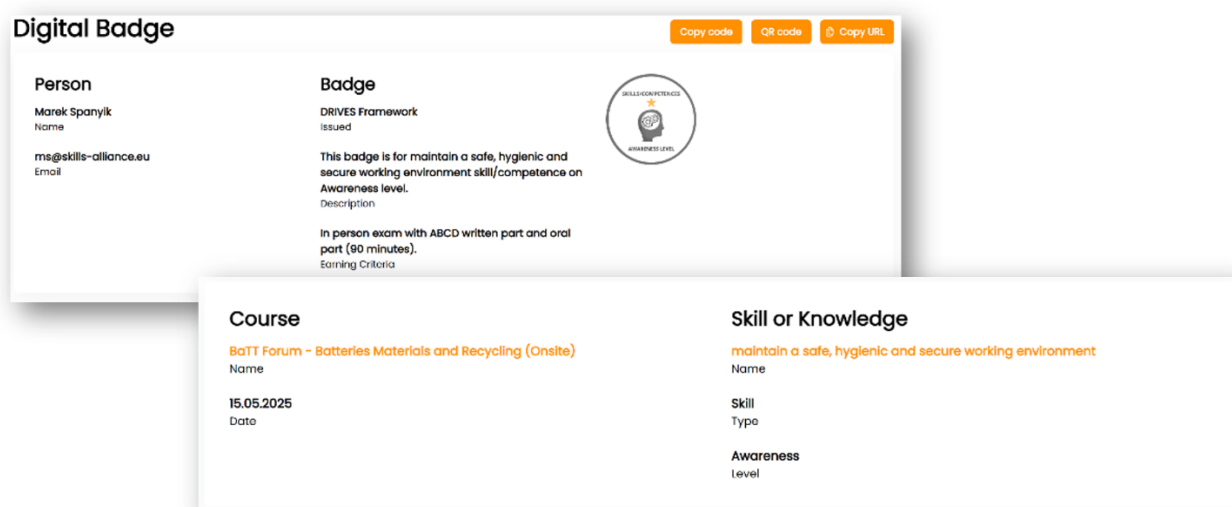


Figure 33. Micro-credential workflow screenshot: credential process view.

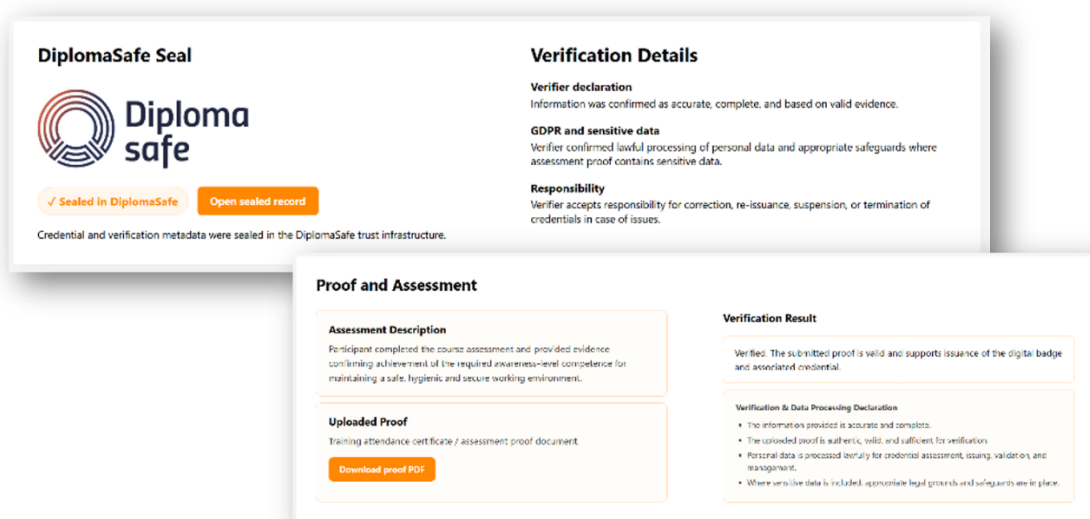


Figure 34. Micro-credential workflow screenshot: credential detail or confirmation view.

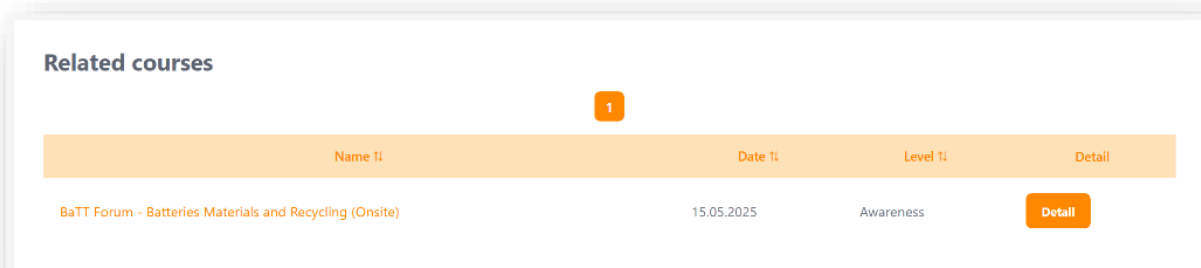


Figure 35. Micro-credential workflow screenshot: final workflow stage.

## 8.7 Verification and Sealing through DiplomaSafe

DiplomaSafe sealing is described as part of the verification workflow. Sealing and verification through EBSI is done via DiplomaSafe. This provides a method for confirming the authenticity and validity of badge information beyond the Skills Hub interface itself.

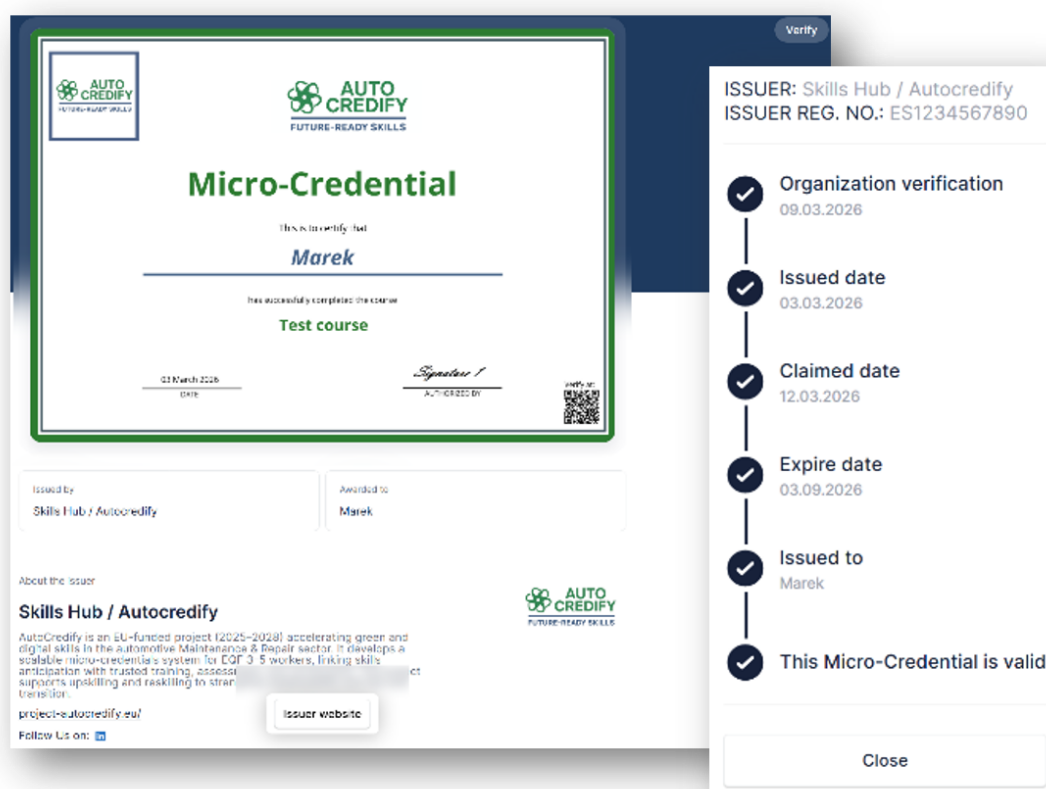


Figure 36. Sealed DiplomaSafe credential view.

## 9 Conclusion and Sustainability

Skills Hub provides a structured governance and platform environment for connecting skills intelligence, training offers, providers, learning pathways and micro-credentials across the automotive mobility ecosystem. It addresses the strategic challenge of fragmented skills provision by creating a trusted European gateway that links occupations, competences, training opportunities, learning pathways and recognised credentials into a coherent ecosystem supporting workforce development and industrial transformation.

For learners, the platform supports course discovery, personalised learning pathway navigation, progress tracking, credential access and the portability of achievements through verifiable micro-credentials. For training providers, it enhances organisational visibility, course publication, competence mapping, alignment with emerging industry trends and the issuing of recognised digital credentials. Companies, public authorities and sectoral stakeholders

benefit from improved strategic oversight of skills demand, training provision and workforce development needs, enabling more evidence-based planning and stronger cooperation across the ecosystem.

The platform brings together multiple components that are often developed independently—including competence frameworks, occupational profiles, training catalogues, learning pathways and micro-credentials—creating an integrated skills infrastructure rather than a standalone training catalogue. By serving learners, employers, providers, regional and national authorities, and sectoral alliances simultaneously, Skills Hub establishes the foundation for a shared European ecosystem supporting lifelong learning, industrial competitiveness and the green and digital transition.

A core design principle of the Skills Hub is long-term sustainability - Rather than being developed solely as a project output, the platform is conceived as a sustainable sectoral asset that remains available and continues to evolve beyond the lifetime of individual Erasmus+ projects. Its governance model enables continuous participation of training providers, sectoral organisations and public stakeholders, ensuring that competence frameworks, occupational profiles, learning pathways and credentialing mechanisms can be regularly maintained and updated in response to changing labour market needs. This approach supports the gradual transition of the Skills Hub into a lasting European skills infrastructure aligned with initiatives such as the Pact for Skills, the Automotive Skills Alliance, the European Skills Agenda and the Council Recommendation on Micro-credentials.

Positioned as a trusted gateway and as the digital foundation for the Future Mobility Academy, the Skills Hub offers significant long-term development potential. Future evolution includes expanding provider participation, strengthening continuous skills intelligence through labour market data and emerging technology trends, maintaining and extending competence frameworks and learning pathways, and further enhancing recognition through interoperable, machine-readable micro-credentials, DiplomaSafe verification and alignment with the broader European Digital Credentials ecosystem. Together, these developments will enable the Skills Hub to support workforce mobility, industrial resilience and evidence-based skills policy while providing a sustainable foundation for future competence development across the automotive mobility ecosystem.

# Skills Hub Governance

## D5.4 Skills Hub Governance

# Skills Hub Ecosystem

Introduction



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# Motivation

- Fragmented training landscape
- No strategic overview for education and training planners and coordinators
- What training is needed for specific job roles and skills or sectors
- Skills-Hub presents one trusted gateway



<https://skills-hub.eu>

# Target Groups



# What does it do?

- **Marketplace for education and training courses** in the Automotive-mobility ecosystem – connecting existing courses and providers
  - **Catalogue of providers** – supporting to extend the network and connect to right provider
  - **Database of courses offer** – overview and direct connection to existing courses
  - **Recognition via micro-credentials** – by mapping of the learning outcomes to competence matrix
  - **Catalogue of Learning Paths** – collection of courses leading to a certain job role or skills set
- **Hosting - Reference Automotive-Mobility Competence Matrix** - Job roles and competencies needed
- **Building a basis for Future Mobility Academy** – pioneering supporting SW tool

# What does it do?



- Connecting different academies and providers
- More than 600 courses offered by now - by providers
- Learning paths – combination of courses to get to Job role



Courses  
catalogue

Reference  
Competence  
Matrix

Digital Badges  
(microcredentials)  
in addition to  
existing full cert

Plug-In



... and more



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Co-funded by  
the European Union

# Ecosystem with Learning Platform



- Skills Hub is connected with a Moodle based learning platform

Development & Update - online free of charge courses

- Courses done by the automotive community (universities, VET schools, companies, others) via:
  - Projects / initiatives, such as:



28 Full MOOCs for automotive skills



21 Full MOOCs for battery sector



Full course for cybersecurity eng. and Manager



Full course for Battery Passport



Full course for powertrain eng. and Manager



Development of 60 new modules covering automotive skills needs

- ASA working groups at EU, national and regional level – e.g. Innovation Agent Working Group supporting development of Innovation Agent MOOC



Learning  
Platform

- Skills Hub's provider of more than 120 free of charge online courses in automotive sector and growing (automotive, mobility, chemical)
- Combining ERASMUS+ and other project results

### Examples of training areas:

- Automotive engineering
- Quality
- Functional safety
- Cybersecurity
- Electric Powertrain
- Sustainability
- Innovation management
- Batteries for electromobility
- Electronics packaging
- Robotics for production



Use of Artificial Intelligence in Manufacturing

1 1



Innovation Agent - ISO 56006 Green Mobility

1 1



Environmental Competence for Managers

1 1



Sustainable design, manufacturing and development of e-transportation electronics

1 1



Introduction to Automotive SPICE® 4.0

2 1



Change Management for Automotive-Mobility Transition

1 1



<https://learn.skills-hub.eu/>

# Governance and Guide

Skills Hub Ecosystem



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# Contents:

- 1. Main System Roles**
- 2. Registration**
- 3. Learner Guide**
- 4. Training Provider Guide**
- 5. Learning Paths Guide**
- 6. Micro-credentials Workflow**

# 1. Main System Roles:

- **Learner**

- Searches for courses
- Follows learning paths
- Completes training
- Receives credentials / badges

- **Training provider**

- Registers as provider
- Inputs training course information
- Maps course to skills and job roles
- Verifies course completion
- Supports credential issuing

## 2. Registration

- **Training providers** must be registered in the system
- **Learners** can use the system without the registration, though:
  - Progress and learning account is not available
  - Credentials can be requested on a specific page
- **Learners** can be issued credentials without registration
- Account can be finalised and established after credential issuance by the learner

## 2. Registration - Learner

- **New users** create a Skills Hub account by providing basic personal details and accepting the platform Terms of Use.
- **Key fields:**  
Email · Password  
Optional: Name · Surname · Job · Country · Gender
- **Purpose:**  
Enables users to access personalised platform features, follow learning opportunities and participate in the Skills Hub ecosystem.

## 2. Registration - Provider

- **Training organisations** can register as providers to join the Skills Hub network and make their training offer visible across Europe.
- **Provider opportunities**
  - Present organisation expertise and training areas
  - Upload online or face-to-face courses
  - Map courses to skills and job roles
  - Support recognition through micro-credentials
- **Registration requires**  
Basic user details · *unique* organisation name

## 2. Registration

### Basic information

Email \*

Name

Surname

Password \*

Enter again \*

### Optional Information

Job

Country

Gender ☐ Male ☐ Female ☒ Don't want to specify

### Course provider information

Organisation name \*

Agreement to [Terms of Use](#)

# 3. Learner Guide - Dashboard

- The **learner dashboard** provides a personal overview of acquired skills, completed learning activities and earned achievements. It serves as the learner's portfolio within the Skills Hub, allowing users to monitor their learning progress and track evidence of competence development.
- **Key features**
  - View completed courses and learning achievements
  - Track acquired skills, competences and knowledge areas
  - Access earned credentials and credentials
  - Review the training that contributed to each skill acquisition

# 3. Learner Guide - Dashboard

## My Progress

Completed courses My Skills

<< 1 2 >>

| Name                                          | Verification Date | Type       | Course completed by community   | Quality Criteria | Certificate granted | Detail                                                                                |
|-----------------------------------------------|-------------------|------------|---------------------------------|------------------|---------------------|---------------------------------------------------------------------------------------|
| Sustainability Manager                        | 28.09.2021        | EXAM       | Training was completed 13 times |                  |                     |    |
| Connected Vehicle - Technician                | 29.07.2022        | ATTENDANCE | Training was completed 3 times  |                  |                     |    |
| BaTT Teachers and Trainers Forum - ŠKODA Auto | 18.05.2023        | ATTENDANCE | Training was completed 2 times  |                  | ✓                   |  |

Marek Spányik 

My Settings

User menu

My Progress

# 3. Learner Guide - Dashboard

## My Progress

Marek Spányik 

My Settings

**My Progress**

User menu

Completed courses My Skills

<< 1 2 3 4 5 **6** 7 >>

| Name                  | Type             | Obtained | Most recent best training                                                            | Badge Achievement                                                                     |
|-----------------------|------------------|----------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Learning              | skill/competence | 2x       | BaTT Forum - Course on The Automotive Industry and Batteries, Awareness (03-12-2025) |    |
| Lithium-ion Chemistry | knowledge        | 1x       | BATT FORUM - BATTERY PRODUCTION, Awareness (23-06-2024)                              |  |



# 3. Learner Guide - Credentials



## Digital Badge

[Copy code](#)[QR code](#)[Copy URL](#)

### Person

**Marek Spányik**

Name

**marek.spanyik@vsb.cz**

Email

### Badge

**Skills Hub**

Issued



This badge is for Learning skill/competence on  
**Awareness level.**

Description

**Attend training with Learning skill/competence on  
Awareness level.**

Earning Criteria

### Course

**BaTT Forum – Course on The Automotive Industry and Batteries**

Name

**03.12.2025**

Date

### Skill or Knowledge

**Learning**

Name

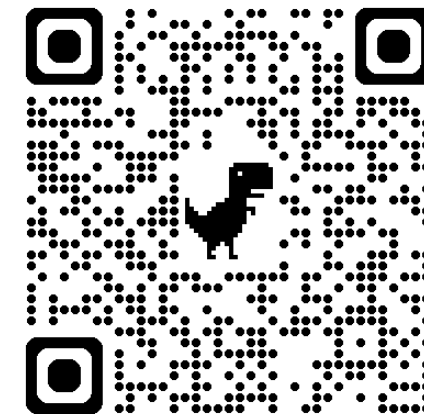
**Skill**

Type

**Awareness**

Level

# 3. Learner Guide - Credentials



### Digital Badge

Copy codeQR codeCopy URL

**Person**  
Morek Spányik  
Name  
marekspanyik@vzb.cz  
Email

**Badge**  
Skills Hub  
Issued  
  
This badge is for Learning skill/competence on Awareness level.  
Description

**Course**  
BaTT Forum – Course on The Automotive Industry and Batteries  
Name  
03.12.2025  
Date

**Skill or Knowledge**  
Learning  
Name  
Skill  
Type

## Related courses

1

| Name ↑↓                                                      | Date ↑↓    | Level ↑↓  | Detail                 |
|--------------------------------------------------------------|------------|-----------|------------------------|
| BATT FORUM – BATTERY PRODUCTION                              | 23.06.2024 | Awareness | <a href="#">Detail</a> |
| BaTT Forum – Course on The Automotive Industry and Batteries | 03.12.2025 | Awareness | <a href="#">Detail</a> |

# 3. Learner Guide - Settings

- User information can be changed here:

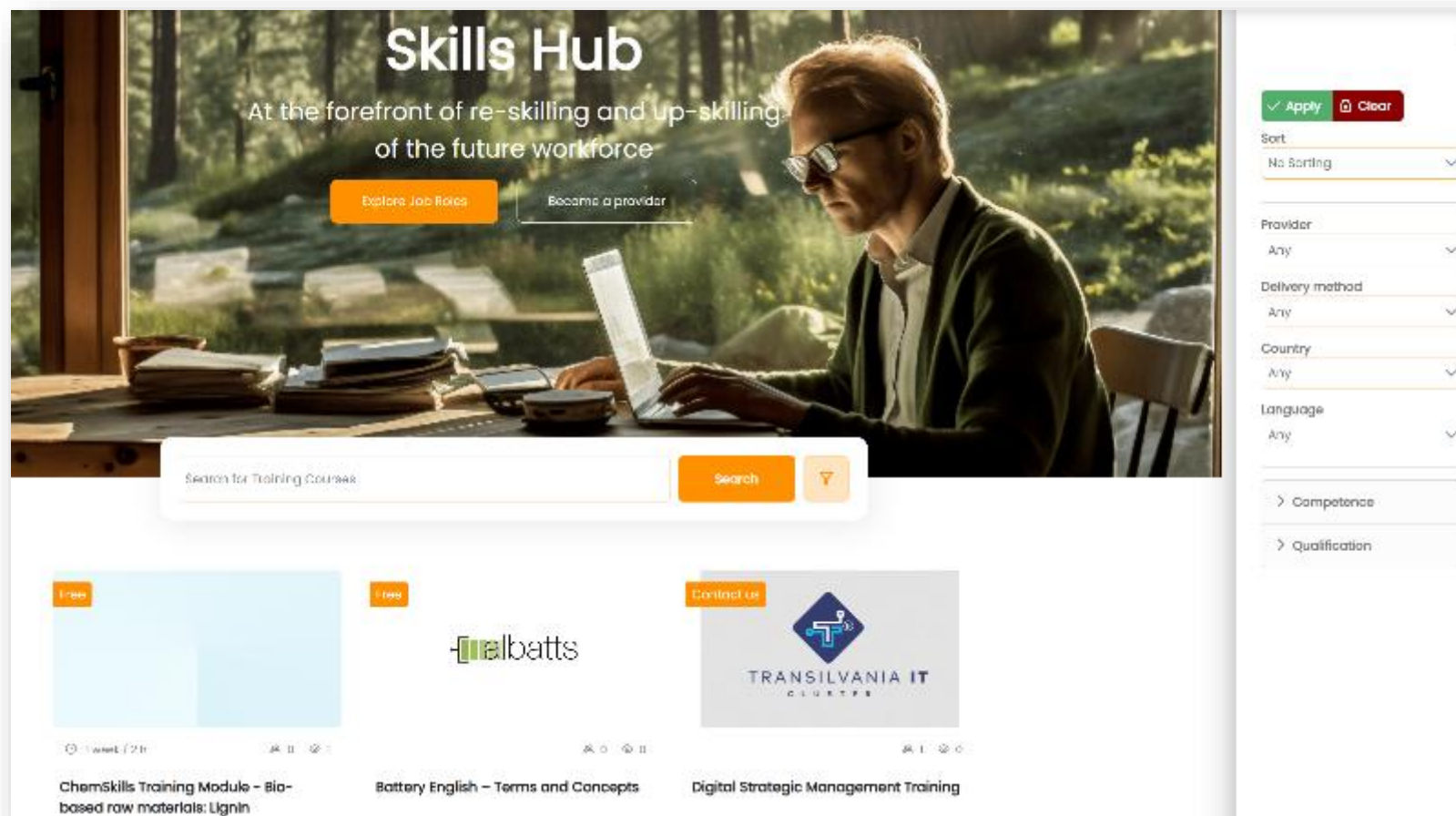
## Dashboard

The screenshot displays a learner dashboard for Marek Spányik. On the left, a sidebar menu includes 'Dashboard', 'User Information' (highlighted with a red box), 'Provider Information', 'My Team', and 'Trends'. The main content area shows user details: Name (Marek Spányik), Email (marek.spanyik@vsb.cz), Country (Belgium), and Job (ADMIN). To the right of the job title, there are two orange buttons: 'Change personal information' and 'Change password' (both highlighted with red boxes). A user menu in the top right corner shows 'Marek Spányik' with a profile icon, and a dropdown menu with 'My Settings' (highlighted with a red box) and 'My Progress'.

# 3. Learner Guide – Catalogues - Training

- The Training Courses Catalogue is the primary entry point for learners seeking learning opportunities. It provides access to a wide range of training offers from registered providers across multiple sectors and projects. Courses can be searched, filtered and explored based on topic, duration, price, provider and relevance to specific skills and job roles. The catalogue forms the learning layer of the Skills Hub ecosystem.
- **Key features**
  - Browse and search available training courses
  - Access course descriptions and learning outcomes
  - Compare duration, workload and pricing
  - Discover courses from multiple European providers
  - Access training linked to skills and job roles

# 3. Learner Guide – Catalogues - Training



# 3. Learner Guide – Catalogues – Job Roles

- The Job Roles Catalogue provides a structured repository of occupational profiles and role definitions. It acts as a reference framework that connects workforce requirements with skills, competences and training opportunities. Users can search job roles across databases, working groups and strategic trends. The catalogue functions as a sector-specific competence matrix extending European frameworks such as ESCO.
- **Key features**
  - Search and browse job role profiles
  - Filter by working group, database and trend
  - Explore role descriptions and requirements
  - View associated skills and training opportunities
  - Support curriculum and learning pathway development

# 3. Learner Guide – Catalogues – Job Roles

Advanced Search

Database

Skills Hub

Working group

All

Trends

> ☐ Digitalisation

> ☐ Green, sustainability and circular economy

> ☐ Resilience of value chains

> ☐ New Business Models

Search for Job Roles

Search

Job Roles

Info

> Skills Framework > All WorkingGroups > All Trends

Job Role ↑↓

Database ↑↓

Working Group ↑↓

|                                   |            |        |  |
|-----------------------------------|------------|--------|--|
| Practitioner in Automotive SPICE® | Skills Hub | DRIVES |  |
| Automotive Engineer               | Skills Hub | DRIVES |  |
| CAD Engineer                      | Skills Hub | DRIVES |  |

# 3. Learner Guide – Catalogues – Competence

- The Skills and Competences Catalogue contains reference definitions of skills, competences and knowledge elements relevant to industrial ecosystems. It allows users to explore the capabilities required for different occupations and provides the foundation for course mapping, learning pathways and micro-credential issuance.
- **Key features**
  - Browse skills, competences and knowledge elements
  - Search by trends, working groups and databases
  - Explore relationships between skills and job roles
  - Access associated training opportunities
  - Support course mapping and competence recognition

### 3. Learner Guide – Catalogues – Job Roles

#### Advanced Search

##### Database

Skills Hub

##### Working group

All

##### Trends

>

☐

 Digitalisation

>

☐

 Green, sustainability and circular economy

>

☐

 Resilience of value chains

>

☐

 New Business Models

Search for Skills

Search

## Skills

Info

>

 Skills Framework > All WorkingGroups > All Trends

| Skill ↑↓                          | Database ↑↓ | Working Group ↑↓ |  |
|-----------------------------------|-------------|------------------|--|
| Functional Safety                 | Skills Hub  | ALBATTIS         |  |
| Understanding of Automotive SPICE | Skills Hub  | DRIVES           |  |
| Apply Software Engineering        | Skills Hub  | DRIVES           |  |

# 4. Training Provider Guide

- The Dashboard serves as the central management area for training organisations within the Skills Hub. It provides an overview of profile completion, course portfolio status, trend selection and readiness for issuing micro-credentials. The dashboard guides providers through the key steps required to become fully active within the platform.
- **Key functions**
  - Monitor provider profile completion
  - Manage organisation information and public profile
  - Create and maintain training courses
  - Select industry trends relevant to the organisation
  - Track course mapping and micro-credential readiness
  - Access team and provider management features

# 4. Provider Guide - Dashboard

Dashboard

User Information

Provider Information

My Team

Trends

Your profile is completed from 87%



✓

You are listed in the system database

Complete registration in the system



✓

Creating courses

Complete profile information.



✗

You have not selected any trends on your profile.

Select trends on your profile for public inclusion of your profile.

Add trends



✓

You have 1 courses, 1 with microcredits.

Map courses with skills for the possibility of issuing microcredits.

Create and map more courses!

- Dashboard provides overview of the provider profile

Training Provider

Dashboard

Create New Training Course

My Training Courses

Training Completion

- Information needs to be completed in order to create courses and issue credentials
- Missing items can be completed by clicking on corresponding button

 **AUTO CREDIFY**  
FUTURE-READY SKILLS

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# 4. Provider Guide - Account

Dashboard

User Information

Provider Information

My Team

Trends

Provider Name

DRIVES Project

Description

DRIVES Project Developed MOOCs

Certificate

Download

Type of organisation

Training organisation

Country

Belgium

Language

English

Course offer type

Courses

Website

Change

My Landing Page

API key

Training Provider

Dashboard

Create New Training Course

My Training Courses

Training Completion

Account Settings

Provider Name

DRIVES Project

Description

DRIVES Project Developed MOOCs

Website

https://www.project-drives.eu/en/home

Type of organisation

Training organisation

Country

Belgium

Language

English

Course offer type

Courses

According to the EQAVET approach to quality

# 4. Provider Guide - Trends

Dashboard

User Information

Provider Information

My Team

**Trends**

Available Trends

☐ # Digitalisation

☒ - Autonomous Driving (ADAS, Full Autonomy, sensors)

☐ - Connected vehicles (Internet of Things, V2X coms, Cloud)

☐ - Cybersecurity (vehicle security, data privacy)

☐ - Digital twins and simulation

☐ - Industry 4.0/5.0

☐ - Virtual/augmented reality (VR/AR)

>>

<

<<

My Trends

☐ # Digitalisation

☐ - AI, Machine Learning, Data Analytics

Training Provider

Dashboard

Create New Training Course

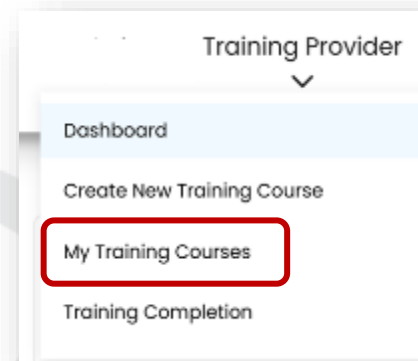
My Training Courses

Training Completion

- 1 or more trends need to be assigned

# 4. Provider Guide – Course Overview

- After profiles is completed to 100%, training provider can create a course
- Course overview is available here:
  - Courses can be edited, created or set to Public or draft, API information can be accessed also



## My Courses

A screenshot of the "My Courses" interface. At the top right is an orange button with a plus icon and the text "Create new course". Below this is a table with a header row. The header row has a "Name" column with a search icon and a "Status" column with a sort icon. The first row of the table contains the text "Testing course" in the Name column, "Mapped" in the Status column, a red "DRAFT" badge, a magnifying glass icon, and a dropdown menu labeled "Options". The "Options" menu is open, showing three items: "Detail" (with a vertical bar icon), "Course Edit" (with a pencil icon), and "Public/Draft" (with an 'X' icon). There is also a small orange square with the number "1" below the "Testing course" text.

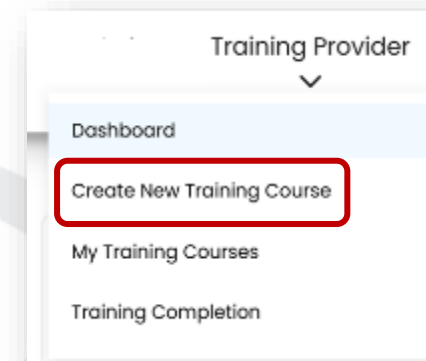
# 4. Provider Guide – Course Edit/Create

- Course creation page or edit leads to the same page where course information can be specified with competence mapping

The screenshot displays the 'My Courses' management interface. At the top right, a 'Training Provider' dropdown menu is open, showing options: 'Dashboard', 'Create New Training Course' (highlighted with a red box), 'My Training Courses', and 'Training Completion'. Below this, a '+ Create new course' button is visible. The main area shows a table with course details. The first row is for a 'Testing course' with a status of 'DRAFT'. The 'Status' column has a dropdown arrow. To the right of the 'DRAFT' status, there is a magnifying glass icon and an 'Options' dropdown menu. The 'Options' menu is open, showing 'Detail', 'Course Edit' (highlighted with a red box), and 'Public/Draft'. The course is also marked as 'Mapped'.

# 4. Provider Guide – Course Edit/Create

- The Skills Hub enables training providers to create, publish and manage courses through a structured three-step process. This process ensures that courses are described consistently, linked to relevant skills and job roles, and prepared for micro-credential issuance. The platform's mapping approach connects learning outcomes to skills, competences and job roles, enabling recognition and credentialing.



## Course Creation Workflow

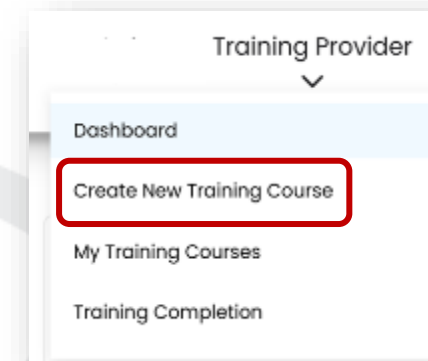
- **Course Information**
- **Course Delivery Methods**
- **Skills and Knowledge Mapping**

# 4. Step 1 – Course Information

- The first step captures the core information about the training offer.

Key information includes (mandatory in bold)

- **Course title and description**
- **Course url**
- Learning outcomes
- **Contact person**
- Course duration and workload
- Entry requirements
- **Course type**
- EQF level
- ECTS / ECVET credits (where applicable)
- Pricing model
- **Course category**
- Course proof or certification
- Provider assignment



## 4. Step 1 – Course Information

① Use English to fill in fields

Name \*

Testing course

URL \*

https://home.vsb.cz/~kom0110/

Description \*

Sans Serif Normal B I U A x<sub>2</sub> x<sup>2</sup> H<sub>1</sub> H<sub>2</sub> " " < > | | | | ¶ ¶ ¶ ¶

Description

Contact person

me

Set

Name \*

test

Email \*

test@test.eu

Learning Outcomes

test

Acknowledgement

☐

Training Provider

▼

Dashboard

Create New Training Course

My Training Courses

Training Completion

Weeks

0

Hours per week

0

Course Type \*

Training Course

Structured learning with curriculum and outcomes (individual or group-based).

Course Category \*

General

Course Proof

None

Select

Select

CPD certificate

Requirements

Sans Serif Normal B I U A x<sub>2</sub> x<sup>2</sup> H<sub>1</sub> H<sub>2</sub> " " < > | | | | ¶ ¶ ¶ ¶

ECTS / ECVET

None

ECTS

ECVET

EQF

EQF level

Price (Eur)

Free

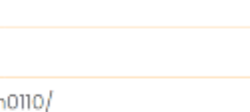
Fee

Freemium

Contact us

Picture

+ Browse

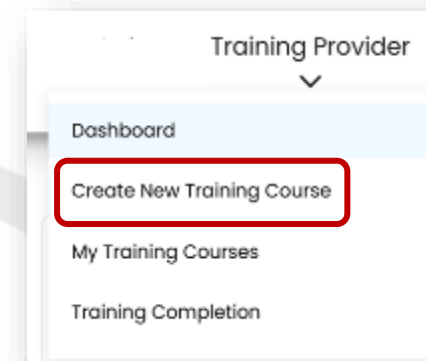
AUTO  
CREDIFY

FUTURE-READY SKILLS

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# 4. Step 2 – Course Delivery

- Providers define how learners can access the course.
- **Available delivery formats**
  - Online
  - Onsite
  - Blended
  - Custom
- **Additional delivery information**
  - Language
  - Delivery description
  - Start and end dates
  - Attendance limits
  - Location details (for onsite training)



# 4. Step 2 – Course Delivery

Use English to fill in fields

Delivery Type

Online

Onsite

Blended

Custom

Language

English

Description

Sans Serif Normal B I U S A x<sub>2</sub> x<sup>2</sup> H<sub>1</sub> H<sub>2</sub> ” ’ </>

Online

Fully virtual delivery - may include live instructor-led sessions, self-paced learning, MOOCs, or on-demand resources. Suitable for remote learners and scalable training.

Date Selection

Unlimited

Limited

Date Selection \*

Start date - End date

Attendees

Unlimited

Limited

Number of attendees \*

0

Add delivery method

Training Provider

Dashboard

Create New Training Course

My Training Courses

Training Completion

## Selected course delivery methods

| Type ↑↓ | Country ↑↓ | City | Address | Start date ↑↓ | End date ↑↓ | Language ↑↓ | Attendees | Remove | Edit |
|---------|------------|------|---------|---------------|-------------|-------------|-----------|--------|------|
| Online  |            |      |         |               |             | English     | Unlimited |        |      |

\*In order to edit the delivery method, delete the method from the list below and create a new one.

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# 4. Step 3 – Competence Mapping

- The final step connects the course to the Skills Hub reference framework.

- **Mapping process**

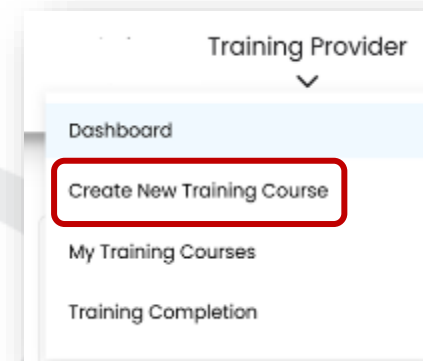
- Select relevant skills, competences and knowledge areas
- Assign proficiency levels
- Review AI-supported mapping recommendations (if learning outcomes are filled in the step 1)
- Add additional manual mappings where required (by searching in Database)
- Save and publish the course

- **Mapping Levels** ([Wiki - Skills Hub](#))

- Awareness
- Practitioner
- Expert

- **Benefits**

- Connects courses to job roles and competence requirements
- Improves course discoverability
- Enables learning pathway creation
- Supports issuance of micro-credentials and badges upon completion
- Contributes to a shared European skills framework



# 4. Step 3 – Competence Mapping

Skills and knowledge

manufacturing process of ice cream Knowledge

Level Awareness

Detail

testing Skill

Level Awareness

Detail

Training Provider

Dashboard

Create New Training Course

My Training Courses

Training Completion

AI Supported Mapping

1

| Name         | Type             | Recommended Level | Score |            |
|--------------|------------------|-------------------|-------|------------|
| testing      | skill/competence | Awareness         | 81.63 | Detail     |
| Unit Testing | knowledge        | Awareness         | 81.63 | Add Detail |

# 4. Step 3 – Competence Mapping

Skills and knowledge

manufacturing process of ice cream  
Knowledge

Level: Awareness

AI Supported Mapping

1

| Name ↑↓ | Type ↑↓          | Recommended Level | Score |
|---------|------------------|-------------------|-------|
| testing | skill/competence | Awareness         | 81.03 |

Unit Testing

knowledge

Manual Mapping

battery fluids

Search

1

| Name ↑↓        | Type ↑↓   | Database | Working Group | ESCO link                                  |
|----------------|-----------|----------|---------------|--------------------------------------------|
| battery fluids | Knowledge | ESCO     | Not specified | <a href="#">Add</a> <a href="#">Detail</a> |

Training Provider

Dashboard

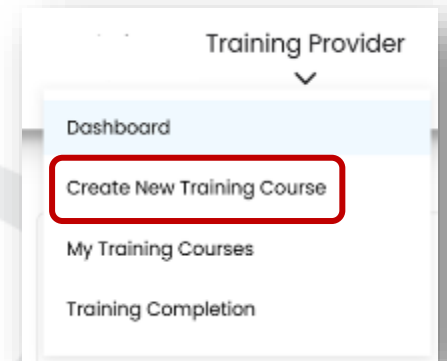
Create New Training Course

My Training Courses

Training Completion

# 4. Step 3 – Competence Mapping

- If the competences are not present in the Database, it can be added through a dedicated providers' care by contacting the system administrators
- Other questions can be resolved as well
- [development@skills-alliance.eu](mailto:development@skills-alliance.eu)



# 4. Provider Guide – Course Publish

- After successful course creation, it can be published and accessible in the course catalogue

## My Courses

+ Create new course

Name  
↑↓

Status ↑↓

Testing course

Mapped

PUBLIC



Options

Detail

Course Edit

Public/Draft

Training Provider

Dashboard

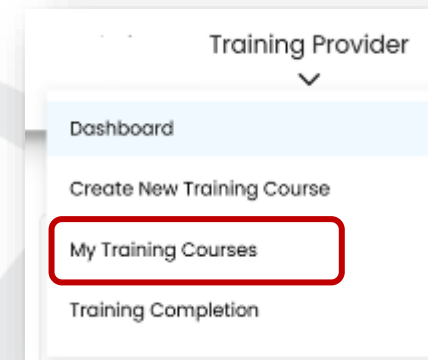
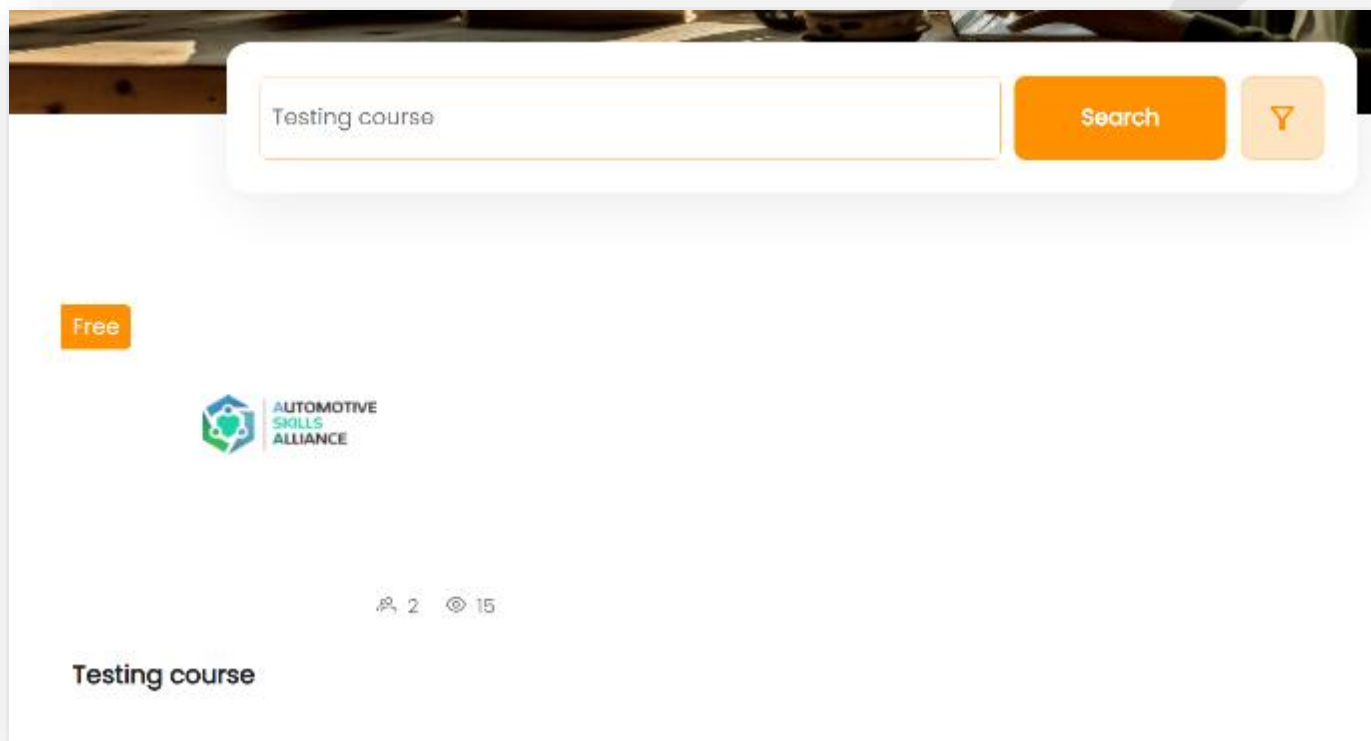
Create New Training Course

My Training Courses

Training Completion

# 4. Provider Guide – Course Publish

- After successful course creation, it can be published and accessible in the course catalogue



# 5. Learning Paths Guide

- The Learning Paths module helps learners navigate training opportunities through structured development journeys. Instead of selecting individual courses separately, learners can follow curated pathways that combine multiple training activities aligned with a specific profession, competence area or career objective. The module supports both predefined pathways developed by experts and personalised pathways generated according to individual learning needs.
- **Available options**
  - Explore predefined learning paths
  - Generate personalised learning paths
  - Save and manage learning journeys
  - Track progress through completed learning activities

# 5. Learning Paths Guide

 Home

 Generated paths

 My paths

## Welcome to the ASA Learning Paths!

At the Skills-Hub we believe that education is a lifelong journey filled with opportunities for personal and professional growth. Our carefully crafted learning path is designed to guide you through a structured yet flexible approach to acquiring knowledge and skills. Whether you are a beginner eager to explore new concepts, a professional seeking to advance your career, or someone looking to enhance your personal development, our learning paths are tailored to meet your unique needs.

### Getting Started

#### Explore Predefined Paths

Ready-made learning programs for various professions and skill levels.

[Predefined Paths](#)

#### Generate Your Path

Create a customized learning path based on your goals and current skills.

[Generated Paths](#)

#### Manage Your Progress

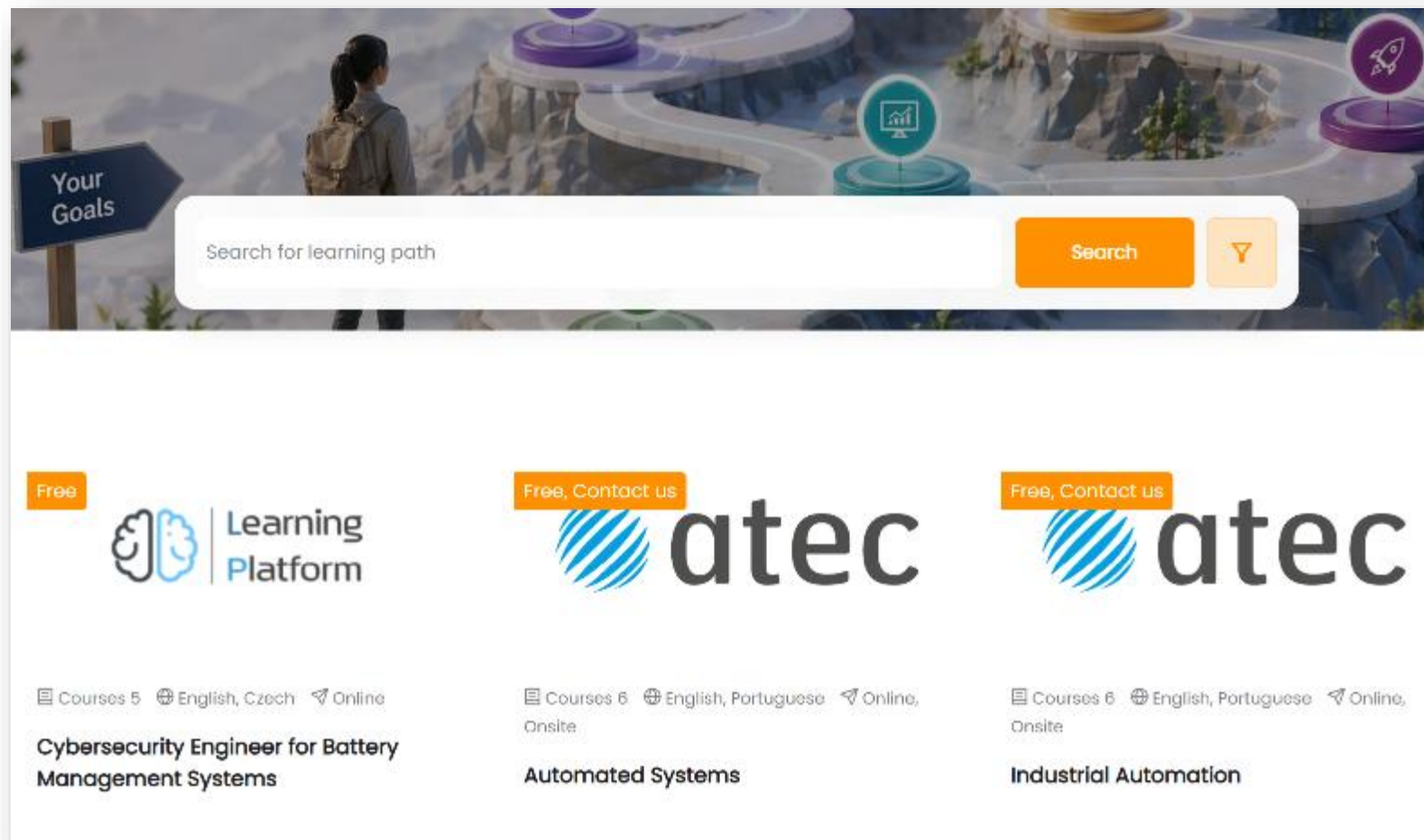
Track your learning journey and saved paths in one place.

[My Paths](#)

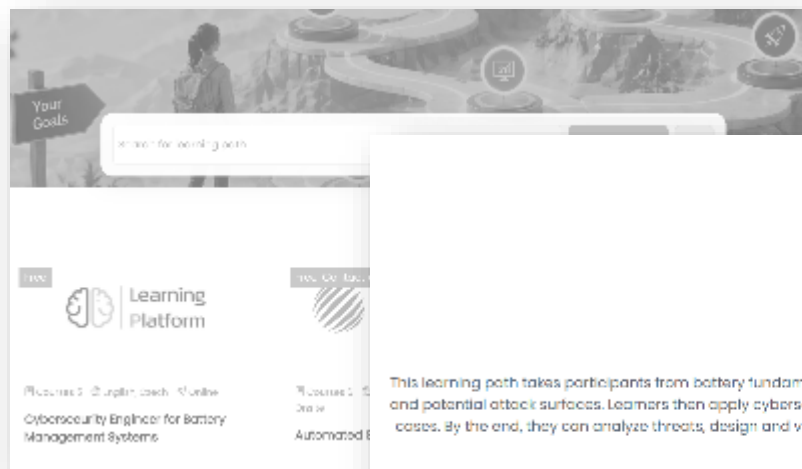
# 5. Learning Paths Guide - Predefined

- Predefined Learning Paths are expert-designed training programmes that combine multiple courses into a coherent learning journey. Each path focuses on a specific occupational profile, technology domain or competence area and guides learners through progressively advanced topics.
- **Key features**
  - Profession-oriented learning journeys
  - Curated sequence of training courses
  - Structured progression from fundamentals to advanced topics
  - Alignment with industry skills needs
  - Ready-to-use learning recommendations
  - Self-assessment of previous knowledge for more curated path progression – also based on the already achieved credentials in the past

# 5. Learning Paths Guide - Predefined



# 5. Learning Paths Guide - Predefined



## Cybersecurity Engineer for Battery Management Systems Learning path

Cybersecurity Engineer for Battery Management Systems

This learning path takes participants from battery fundamentals and safety into the architecture and operation of Battery Management Systems (BMS), building a clear understanding of components, data flows, and potential attack surfaces. Learners then apply cybersecurity methods—risk assessment, secure boot and updates, protected diagnostics, communication integrity, and key management—directly to BMS use cases. By the end, they can analyze threats, design and validate controls, and produce audit-ready evidence for packs, modules, and BMS ECUs, qualifying them for hands-on roles as cybersecurity engineers in the BMS domain.

PATH GUARANTOR:  Learning Platform

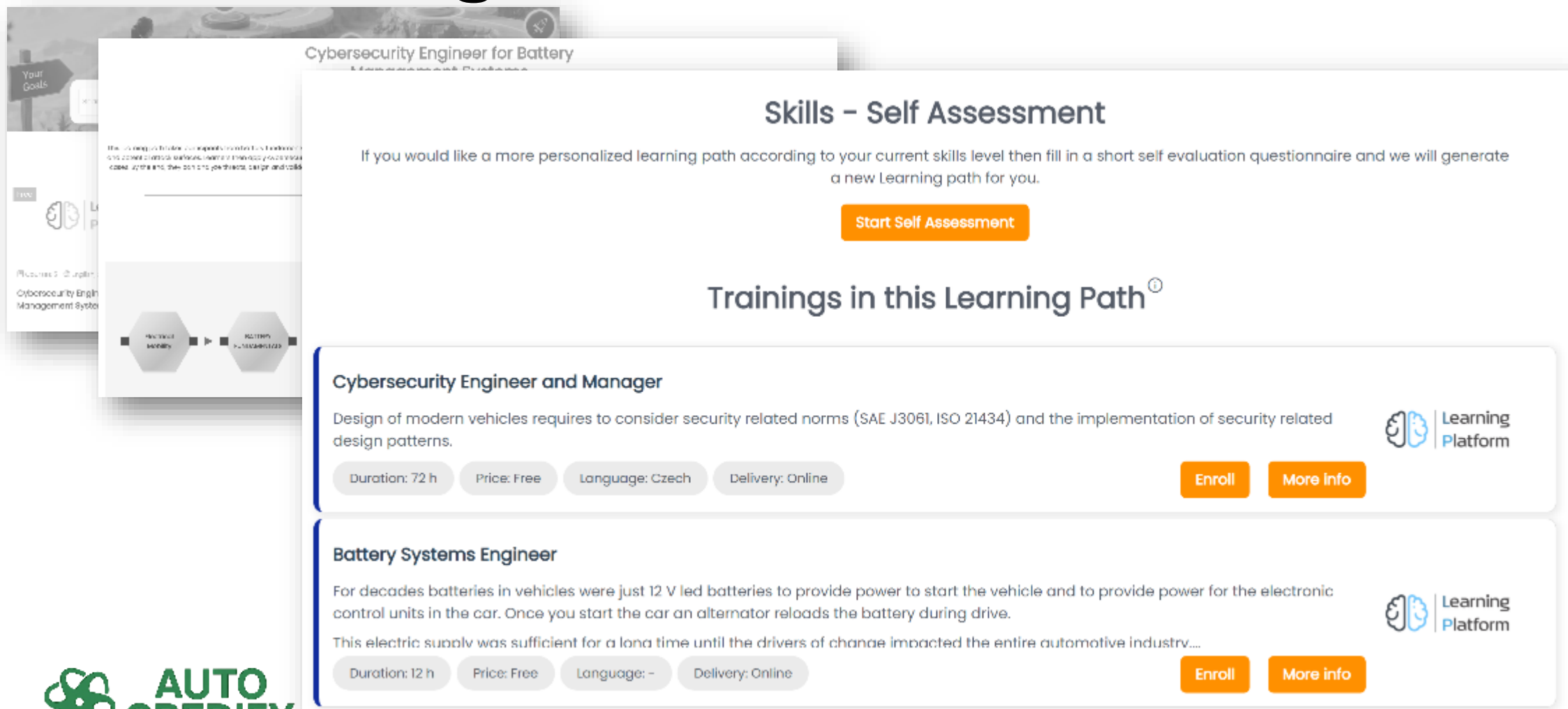


```
graph LR; A[Electrical Mobility] --> B[BATTERY FUNDAMENTALS]; B --> C[INTRODUCTION TO SAFETY IN BATTERIES]; C --> D[Battery Systems Engineer]; D --> E[Cybersecurity Engineer and Manager];
```

# 5. Learning Paths Guide - Structure

- Each learning path contains a detailed description of the target competence area and a sequence of recommended training activities.
- **Learning Path Components**
  - Learning path description and objectives
  - Path guarantor or responsible organisation
  - Recommended training courses
  - Course descriptions and learning outcomes
  - Duration and delivery information
  - Enrolment links
  - Progress tracking
- **Example Learning Path - Cybersecurity Engineer for Battery Management Systems:**
  - Battery Fundamentals
  - Introduction to Safety in Batteries
  - Battery Systems Engineer
  - Cybersecurity Engineer and Manager
  - Electrical Mobility

# 5. Learning Paths Guide - Structure



The screenshot displays a user interface for a learning path guide. At the top, there's a section titled "Skills – Self Assessment" with a sub-header "Cybersecurity Engineer for Battery Management Systems". Below this, a text block explains that users can get a personalized learning path by filling out a questionnaire. An orange button labeled "Start Self Assessment" is prominently displayed. Below the assessment section, the heading "Trainings in this Learning Path" is followed by two training modules. Each module card includes a title, a brief description, a duration, price, language, and delivery method, along with "Enroll" and "More Info" buttons. The first module is "Cybersecurity Engineer and Manager" and the second is "Battery Systems Engineer". Both modules are associated with the "Learning Platform" logo.

**Skills – Self Assessment**

If you would like a more personalized learning path according to your current skills level then fill in a short self evaluation questionnaire and we will generate a new Learning path for you.

[Start Self Assessment](#)

**Trainings in this Learning Path<sup>①</sup>**

**Cybersecurity Engineer and Manager**

Design of modern vehicles requires to consider security related norms (SAE J3061, ISO 21434) and the implementation of security related design patterns.

Duration: 72 h | Price: Free | Language: Czech | Delivery: Online

[Enroll](#) [More Info](#)

**Battery Systems Engineer**

For decades batteries in vehicles were just 12 V led batteries to provide power to start the vehicle and to provide power for the electronic control units in the car. Once you start the car an alternator reloads the battery during drive.

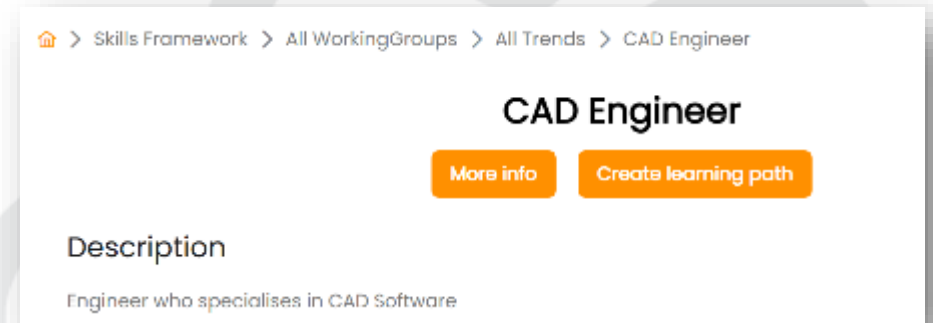
This electric supply was sufficient for a long time until the drivers of change impacted the entire automotive industry...

Duration: 12 h | Price: Free | Language: - | Delivery: Online

[Enroll](#) [More Info](#)

# 5. Learning Paths Guide - Personalised

- In addition to predefined pathways, learners can generate customised learning paths based on the reference job roles ([Job Roles - Skills Hub](#))
- **Personalisation process**
  - Complete a self-assessment questionnaire
  - Identify current competence levels
  - Analyse skill gaps
  - Generate a tailored learning path
  - Follow recommended training activities
- **Benefits**
  - Adapts learning recommendations to individual needs
  - Reduces unnecessary training
  - Focuses on identified skill gaps
  - Supports more efficient upskilling and reskilling



# 5. Learning Paths Guide - Personalised

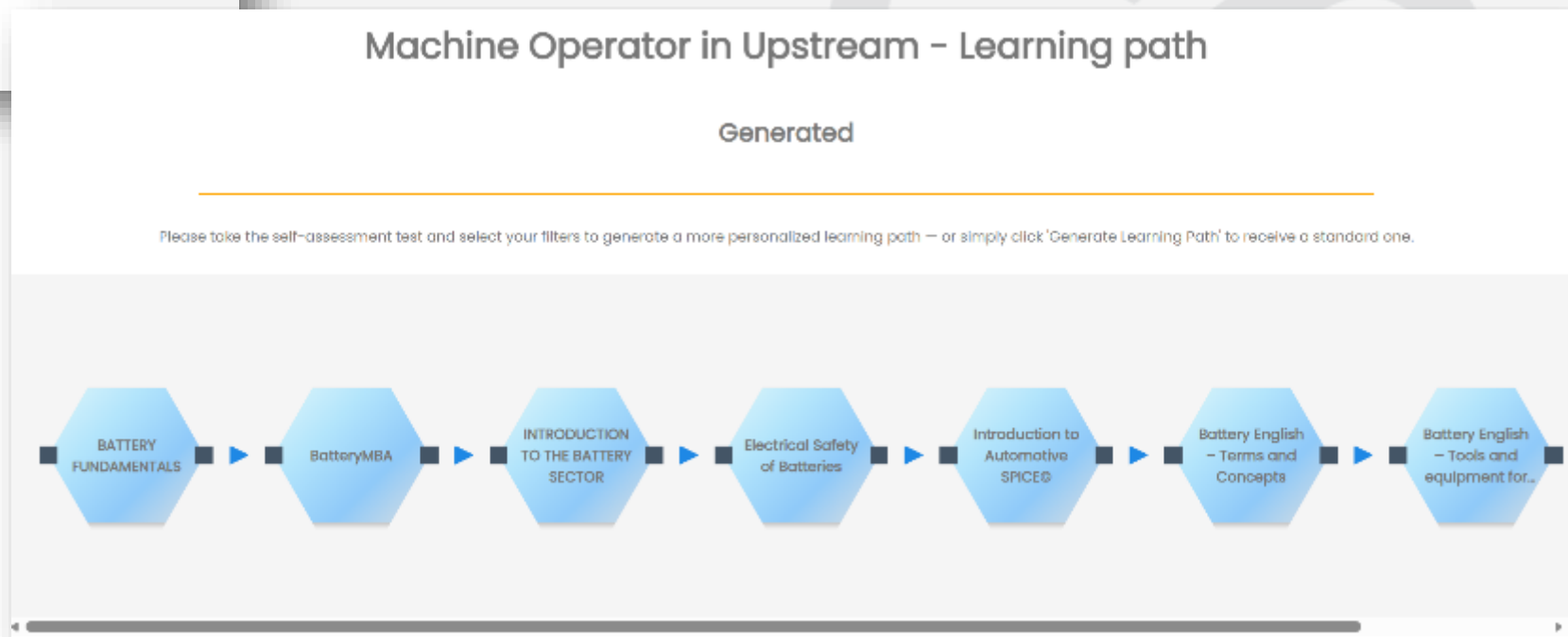
Home > Skills Framework > All WorkingGroups > All Trends > CAD Engineer

## CAD Engineer

[More info](#) [Create learning path](#)

### Description

Engineer who specialises in CAD Software



# 5. Learning Paths – Guarantor

- In order to guarantee the learning path, necessary courses must be linked to the learning path from the Skills Hub catalogue of courses.
- At this point, the learning path creation is in pilot phase and can be established with the collaboration of the providers care team via dedicated excel file. ([development@skills-alliance.eu](mailto:development@skills-alliance.eu))



# 5. Micro-credentials

- **Digital Badge** is proven and recognized **achievement of Competence(skill) and its proficiency level**
  - E.g. Artificial Intelligence – level Expert
  - Trainee could see it in the system, share to social networks, or integrate to Europass or any other systems, Sealing and verification through EBSI via DiplomaSafe
- **Link to Quality Assurance and Type of Assessment**
- **Digital Badge is parallel (add-on) to existing certificates**
- **Training Organisation is the Issuer**
- **Training organization** with its training courses plugged-in Skills Hub **register trainees to the system** to be able to receive Digital Badge



### Digital Badge

**Person**

Name: Marek Spányik

Email: marek.spanyik@vsb.cz

**Badge**

DRIVES Framework  
Issued

This badge is for identify process improvements on  
**Practitioner level.**

Description

Complete training with identify process improvements  
**Practitioner level.**

Earning Criteria



[Copy code](#) [QR code](#)



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# 5. Micro-credentials - Workflow

1. Courses are mapped and published in Skills Hub course catalogue
2. Training itself is done – trainees are trained
3. Training provider comes to the system and specifies the achievement for trainees, as follows:

## Verification of Course Completion

### Course

Battery Applications Training

☐ Attendance ☒ Exam ☒ Certificate

20.01.2026

End date

☒ Seal credential in DiplomaSafe

### Assessment description

In person exam with ABCD written part and oral part (90 minutes).

### Proof Document

Choose File No file chosen

### Result

Specify result of the assessment

### Emails:

trainee1@navarra.eu  
trainee2@navarra.eu

Enter emails separated by a new line:

john.doe@example.com  
monna.doc@example.com

Verify courses

# 5. Micro-credentials - Workflow

4. For attendance, grey credentials are issued – assessment information is not mandatory
5. Parallel certificate information is optional
6. For exam, the assessment information is mandatory and golden credentials are awarded
  1. Proof document is **optional**
  2. Results is mandatory
7. DiplomaSafe sealing is triggered in this view
8. When verifying the results, the provider certifies the following:

Verification of Course

Course  
Autism & Applications Training

☐ Attendance ☒ Exam ☐ Certificate

20.01.2028 End date

☒ Seal credential in DiplomaSafe

Assessment description  
In person exam with AI/CD system and online

Proof Document  
(Optional) No file chosen

Result  
Specify result of the assessment

Verify course

Verification & Data Processing Declaration

**Verification Responsibility**

- The information provided is accurate, complete, and based on evidence available to me.
- The uploaded proof document(s) are authentic, valid, and sufficient to support this verification.
- I am authorized to perform this verification on behalf of my organization.
- In the event of incorrect verification, fraudulent documentation, or any resulting issues, I accept responsibility for initiating correction, re-issuance, suspension, or termination of the affected credential(s).

**Personal Data & GDPR**

- I understand that the uploaded documentation may contain personal data.
- I confirm that any personal data included in the verification process is processed lawfully and only for the purpose of assessing, issuing, validating, or managing credentials.
- Where applicable, I have the necessary authorization, legal basis, or consent required under the General Data Protection Regulation (GDPR) and applicable national legislation.
- If the assessment contains special categories of personal data or otherwise sensitive information, I confirm that appropriate safeguards and legal grounds for processing are in place.
- I understand that uploaded documents and verification records may be retained for audit, compliance, quality assurance, accreditation, and credential management purposes in accordance with applicable retention policies.

**DiplomaSafe Sealing**

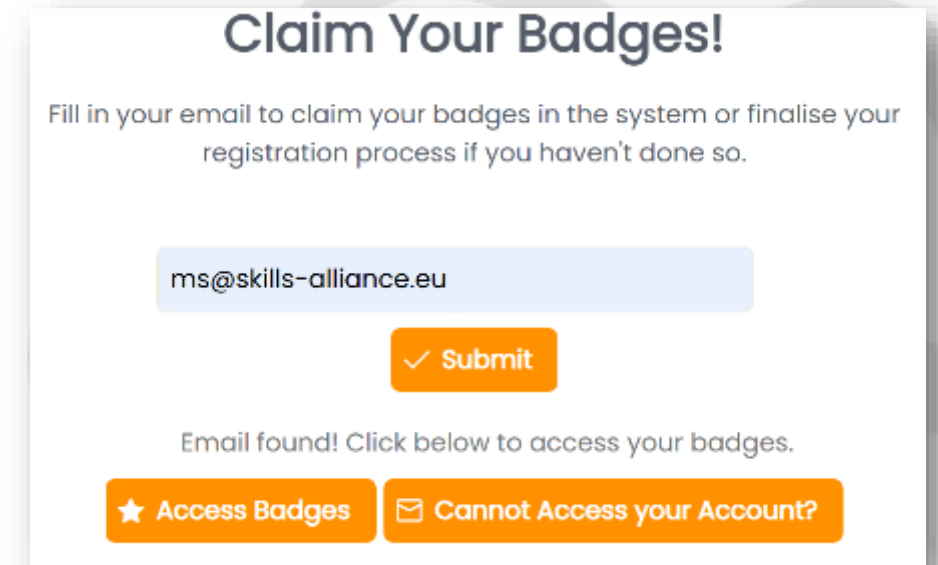
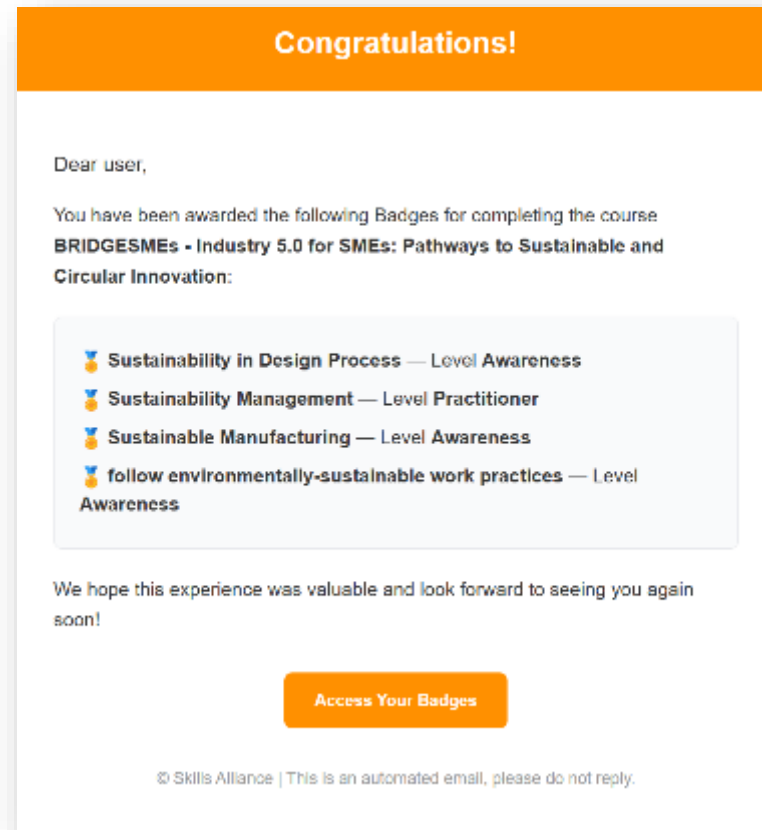
- If the "Seal credential in DiplomaSafe system" option is selected, I authorize the credential and associated verification metadata to be recorded and sealed within the DiplomaSafe trust infrastructure.

☒ I have read and agree to the Verification & Data Processing Declaration.

Cancel I Confirm and Verify

# 5. Micro-credentials - Workflow

9. Students receives information about the badges via email – those can be accessed via dedicated page – account can be finalised if the trainee does not have an account



# 5. Micro-credentials - Workflow

10. Overview of the credentials can be accessed by the user

| << 1 >>                                                                            |                                                          |                  |                  |                                                                                                       |
|------------------------------------------------------------------------------------|----------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------------------------|
| Badge                                                                              | Preferred label ↑↓                                       | Type ↑↓          | Highest level ↑↓ | Badge Achievement                                                                                     |
|   | maintain a safe, hygienic and secure working environment | skill/competence | Awareness        |  Badge Achievement |
|  | Battery Material                                         | knowledge        | Awareness        | Badge Achievement                                                                                     |

# 5. Micro-credentials - Workflow

## Digital Badge

[Copy code](#) [QR code](#) [Copy URL](#)

|                                                                                |                                                                                                                                                                                                                                                                               |                                                                                     |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Person</b><br>Marek Spanyolik<br>Name<br><br>ms@skills-alliance.eu<br>Email | <b>Badge</b><br>DRIVES Framework<br>Issued<br><br>This badge is for maintain a safe, hygienic and secure working environment skill/competence on Awareness level.<br>Description<br><br>In person exam with ABCD written part and oral part (90 minutes).<br>Earning Criteria |  |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|

### Course

BaTT Forum – Batteries Materials and Recycling (Onsite)

Name

15.05.2025

Date

### Skill or Knowledge

maintain a safe, hygienic and secure working environment

Name

Skill

Type

Awareness

Level

# 5. Micro-credentials - Workflow

Digital Badge

Personal Data

Course

BoTT Forum - Batteries Motoring

15.05.2025

Date

Skill or Knowledge

**DiplomaSafe Seal**

 **Diploma  
safe**

✓ Sealed in DiplomaSafe

Open sealed record

Credential and verification metadata were sealed in the DiplomaSafe trust infrastructure.

**Verification Details**

**Verifier declaration**  
Information was confirmed as accurate, complete, and based on valid evidence.

**GDPR and sensitive data**  
Verifier confirmed lawful processing of personal data and appropriate safeguards where assessment proof contains sensitive data.

**Responsibility**  
Verifier accepts responsibility for correction, re-issuance, suspension, or termination of credentials in case of issues.

**Proof and Assessment**

**Assessment Description**  
Participant completed the course assessment and provided evidence confirming achievement of the required awareness-level competence for maintaining a safe, hygienic and secure working environment.

**Uploaded Proof**  
Training attendance certificate / assessment proof document.  
[Download proof PDF](#)

**Verification Result**  
Verified. The submitted proof is valid and supports issuance of the digital badge and associated credential.

**Verification & Data Processing Declaration**

- The information provided is accurate and complete.
- The uploaded proof is authentic, valid, and sufficient for verification.
- Personal data is processed lawfully for credential assessment, issuing, validation, and management.
- Where sensitive data is included, appropriate legal grounds and safeguards are in place.

# 5. Micro-credentials - Workflow

Digital Badge

Course

BaTT Forum - Batteries Materials and Recycling (Onsite)

15.05.2025

Date

Skill or Knowledge

DiplomaSafe Seal

Diploma safe

✓ Sealed in DiplomaSafe

Open sealed record

Verification Details

Verifier declaration

Proof and Assessment

Assessment Description

Participants completed the course assessment and provided evidence of their learning and skills. The assessment was designed to ensure that participants have acquired the necessary skills and knowledge for the course.

Verification Result

Verified. The course has been verified and the skills and knowledge acquired by the participants are valid.

Related courses

1

| Name                                                    | Date       | Level     | Detail                 |
|---------------------------------------------------------|------------|-----------|------------------------|
| BaTT Forum - Batteries Materials and Recycling (Onsite) | 15.05.2025 | Awareness | <a href="#">Detail</a> |

# 5. Micro-credentials – Sealed DiplomaSafe





## Micro-Credential

This is to certify that

**Marek**

has successfully completed the course

**Test course**

03 March 2026  
DATE

*Signature*  
AUTHORISED BY

Verify QR

Issued by  
Skills Hub / Autocredify

Awarded to  
Marek

About the issuer

**Skills Hub / Autocredify**

AutoCredify is an EU-funded project (2025-2028) accelerating green and digital skills in the automotive Maintenance & Repair sector. It develops a scalable micro-credentials system for COF 3-5 workers, linking skills anticipation with trusted training, assessment, and supports upskilling and reskilling to transition.

project-autocredify.eu/

Follow Us on: 

Issuer website

Verify

ISSUER: Skills Hub / Autocredify  
ISSUER REG. NO.: ES1234567890

- ✓ Organization verification  
09.03.2026
- ✓ Issued date  
03.03.2026
- ✓ Claimed date  
12.03.2026
- ✓ Expire date  
03.09.2026
- ✓ Issued to  
Marek
- ✓ This Micro-Credential is valid

Close

 **AUTO CREDIFY**  
FUTURE-READY SKILLS

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the European Union

# Deliverable Information

**Report Title:** SKILLS HUB GOVERNANCE - Governance Framework, User Guides, Learning Path Management and Micro-Credential Workflow

|                                     |     |                                       |                                       |
|-------------------------------------|-----|---------------------------------------|---------------------------------------|
| <b>Responsible Project Partner:</b> | ASA | <b>Contributing Project Partners:</b> | FGB, ATEC, SAMIEDU, GOBIERNO, NAVARRA |
|-------------------------------------|-----|---------------------------------------|---------------------------------------|

|                       |                                                                                                                                                                                                   |                                                           |                         |            |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|------------|
| <b>Document data:</b> | <b>File name:</b>                                                                                                                                                                                 | AutoCredify - D5.4 Skills Hub Governance – Guiding Slides |                         |            |
|                       | <b>Pages:</b>                                                                                                                                                                                     | 31                                                        | <b>No. of annexes:</b>  | 0          |
|                       | <b>Status:</b>                                                                                                                                                                                    | final                                                     | <b>Diss. Level:</b>     | PU         |
| <b>Project title:</b> | AutoCredify - Accelerating Automotive Green and Digital Skills with Micro-Credentials                                                                                                             |                                                           |                         |            |
| <b>Project No.:</b>   | 101196000                                                                                                                                                                                         | <b>Output No:</b>                                         | D5.4                    |            |
| <b>Date:</b>          | <b>Due Date:</b>                                                                                                                                                                                  | 30/06/2026                                                | <b>Submission date:</b> | 30/06/2026 |
| <b>Keywords:</b>      | Skills Hub, governance framework, learning paths, micro-credentials, digital badges, competence matrix, training catalogue, provider catalogue, Future Mobility Academy, DiplomaSafe verification |                                                           |                         |            |
| <b>Review by:</b>     | Hanne Shapiro                                                                                                                                                                                     |                                                           | <b>Review date:</b>     | 24/06/2026 |
| <b>Approved by:</b>   | Liga Baltina, FGB                                                                                                                                                                                 |                                                           | <b>Approval date:</b>   | 30/06/2026 |