

Net Zero Industry Academies

European learning content for a European workforce

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European businesses struggle for skills

- Skills are a top concern for any business in Europe
- **The right skills are crucial for the growth and sustainable development of businesses of all sizes:**
 - nearly **4 in 5 SMEs** say it is generally difficult for them to find workers with the right skills
 - **74% of SMEs** in Europe say they concretely face skills shortages for at least one job role in their company.
- **The Net Zero Skills Academies = EU tackling skills gaps in key net-zero technology sectors**



Skills gaps in the green energy sectors

- **Large skills shortages in net-zero industries:**
 - 180 000 skilled workers needed in fuel cell hydrogen manufacturing
 - 66 000 skilled workers needed in photovoltaic solar manufacturing
 - 800 000 skilled workers needed in battery production



EU Regulation Net-Zero Industry Act (NZIA)

- Sets measures to **strengthen Europe's manufacturing of net-zero technology products**:
 - CO2 injection capacity
 - Access to markets
 - **Enhancing skills for quality job creation**
 - Innovation
 - etc



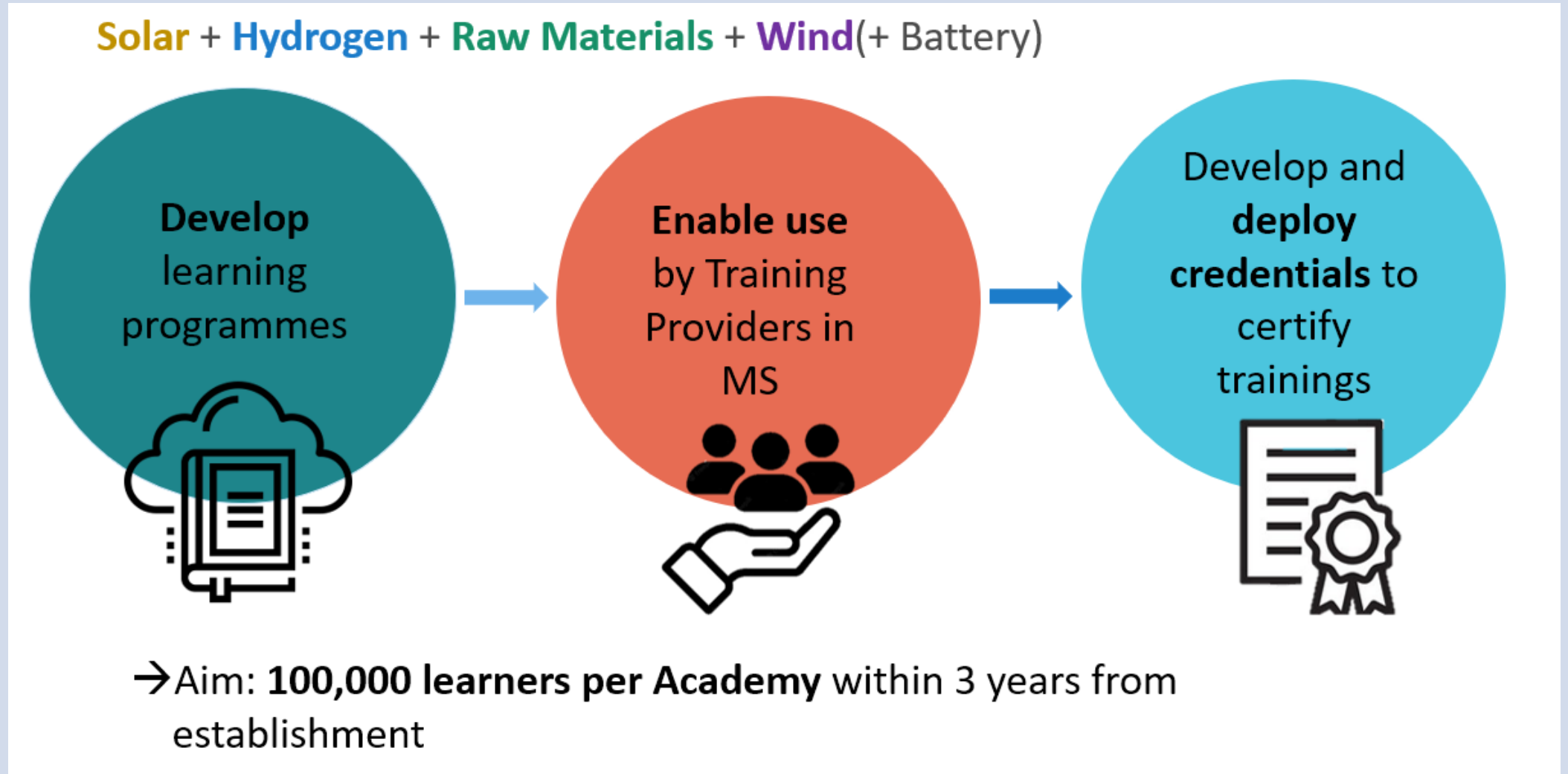
Enhancing skills for quality job creation

- European Commission to support launch of Net Zero Industry skills Academies (incl. seed funding)
- Academies learning credentials can be approved as qualification required to access **regulated professional** activity (with respective MS agreement)
- **Net-Zero Europe Platform and skills:** a monitoring and support group (MS + Commission)

NZIA Academies: Concept & Functionalities

- Academies = projects/concepts, not brick and mortar education & training institution
- Three main functionalities:
 - Academies develop **with the industry**, for voluntary use by Member States/education/training providers on their territories, learning programmes/content
 - Academies offer learning content to interested education & training providers and customers in Member States to support their provision of education & training where desired (offer, no obligation to use the content)
 - Academies develop learning credentials to facilitate transparency of skills, transferability between jobs and mobility of learners
- Example: European Batteries Academy (operating)

NZIA Academies: Concept & Functionalities



NZIA Academies: Setup & Operation

- Academies may take different forms, e.g. consortia of existing education & training providers, EIT KICs etc
- Academies will not be set up in each Member State, but **offer learning content to education and training providers in Member States**
- Commission offers seed funding for Academies from existing funds managed by the Commission, private funds also involved
- Member States may choose to support education & training providers on their territories that use content created by academies. **EU funds available at national, regional and local level**

What is in there for European businesses

- Academies are designed to produce content that is:
 - Pertinent (because co-designed with industry)
 - Actual (constantly updated)
 - Available locally (your usual training provider can access it)
 - Adaptable (your company can discuss w/ Academy and request tailored approach)
 - Modular (your workforce can build skills at speed meeting your needs)



State of play

- European Battery Academy – launched in 2022
- European Solar Academy – announced in December 2023, launch in June 2024
- European Hydrogen Academy – launched in January 2024
- Upcoming
 - European Raw Materials Academy
 - European Wind Academy



Thank you!