



Are you ready to unlock the potential of **AI-driven manufacturing** and redefine the future of the industry?

We invite both students and professionals to be part of an exciting self-learning program inspired by the EU-funded CONFACTS project.



Discover **CONFACTS**:

CONFACTS goes beyond conventional training. It's a visionary initiative that transforms Teaching and Learning Factories (TLFs) into multifaceted tools, serving as both educators and real-world simulators. Our mission is to create synergy among TLF elements by offering an integrated learning path designed for students and professionals seeking to upskill or reskill in the field of manufacturing.

Why You Should Join:

As part of this program, you'll dive into a world of knowledge presented as "learning nuggets" - compact small learning units to elevate your understanding. It's your gateway to accelerating the digital transformation of the manufacturing sector.

Benefits:

- Gain insights into data-driven AI services and supply chain integration.
- Experience the future of manufacturing through TLF demos.
- Reskill or enhance your skills for a thriving career in manufacturing.

How To Get Started:

Screen your interest here [EIT \(skillsmove.eu\)](https://www.skillsmove.eu) where you can find all categories of e-lessons (free or not) and then focus your attention on **CONFACTS learning paths** below

Follow our six learning paths:

1 **Node-Red as a local IIoT Platform for machine interoperability**

An introduction to Node-RED as a tool for Industrial IoT. Covering Node-RED basics, communication protocol interfacing, data standardisation and storage, and dashboard development.

2 **An Industrial Value Chain Approach**

An introduction to Porter's Value Chain Concept and the influence that Industry 4.0, and its related technologies, has in its implementation and evaluation.

3 **Data sharing for networked organisations using the IDS Reference Model**

The adoption of the International Data Spaces (IDS) Reference Model, at theoretical and practical levels. The IDS Reference Model is an international specification developed to help share data in a coordinated and secure manner, all the while maintaining data sovereignty, meaning the owner should always have full control over the data they share.

4 **Creating a hybrid connection between TLFs using APIs to a common value chain**

Exploring the integration of Teaching Learning Factories as an example of connected industrial processes. Additionally, the learning path delves into the fundamentals of remote process flows, presenting a practical working model to illustrate its application.

5 **Modular production**

Understanding modular production and design machines to be included in modular production. A TLF with a robot with a conveyor and various communication interfaces, digital twins and relevant intelligent services for e.g. quality check will be used.

6 **Digital Product Passport Service Toolkit**

Making a product passport by using QR code or RFID tags, including also all relevant background information for implementing it.

Don't miss your chance to be at the forefront of AI-powered manufacturing!

For more details and to stay updated, follow us on **X (Twitter)** and **LinkedIn** or visit our website at **confacts.net**.

Website



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