

## Digitalization & eCommerce in the domain of Sustainable Freight Logistics

DeNaLog is a qualification network focusing on e-commerce, cyber security and smart factory. Within the four days basic modules and the nine two-day in-depth modules, logistics service providers' employees have the opportunity to take a closer look at different topics such as information and communication technologies, powertrain technologies or vehicle systems.

The aim of DeNaLog is to provide employees of logistics service providers with research-oriented knowledge and case studies (best practice) in the areas of sustainable transport chains and networks, "last mile", intermodal hubs, green and smart logistics, safety and security, information and communication technologies, powertrain technologies and vehicle systems.

Experts from universities and industry provide basic information and actual research findings. Real application examples will be used and possible approaches to solve logistics-related challenges in a very dynamic market will be discussed.

In addition to the direct impact of the gained knowledge for the own company, the qualification network "DeNaLog" promotes the exchange of experience and the cooperation of all participating partners and can consequently lead to further projects, especially in the field of sustainable digitalization and e-commerce logistics.

Partners: a.o. VNL Verein Netzwerk Logistik, Austrian logistics service providers, University of Applied Sciences Upper Austria (FH OÖ), University of Applied Sciences Salzburg (FH Sbg.), V-Research, JKU, University of Innsbruck, Dr. Ruth Breu and much more.

Project period: 1.4.2021 – 28.3.2023

**Training schedule:** The project is designed for **2 years** and offers a **total of 22 training days**. Participation in the **basic module with 2 x 2 days** is mandatory; the **in-depth modules with a duration of 2 days each** can be attended additionally on an optional basis.

**Basic Module** - Fundamentals and Current Research Findings on Digital Freight Logistics (2 x 2 days, University of Innsbruck, FHS, FH OÖ)

**Business/organizational specialization modules (2-4)**

2. Platforms and business models (2 days, FH OÖ)
3. Risk management /supply chains (2 days, FH Sbg.)
4. Logistics 4.0 (2 days, FH Sbg.)

**Technical/technological specialization modules (5-7)**

5. Alternative powertrain systems and vehicle technology (2 days, FH Sbg.)
6. Autonomous driving (2 days FH OÖ, JKU Linz)
7. Data mining, cyber security and safety (2 days FH OÖ, V-Research)

**Traffic/conceptual specialization modules (8 -10)**

8. Traffic systems, infrastructure and regulations (2 days University of Innsbruck)
9. Customer/buyer/shipper behavior (2 days University of Innsbruck)
10. Green and smart logistics (2 days FH OÖ)

**Contact at FH OÖ:** Dr. Wolfgang Schildorfer

**Email:** [wolfgang.schildorfer@fh-steyr.at](mailto:wolfgang.schildorfer@fh-steyr.at)

**Contact of the project leader:** Dr. Markus Mailer

**Email:** [markus.mailer@uibk.ac.at](mailto:markus.mailer@uibk.ac.at)