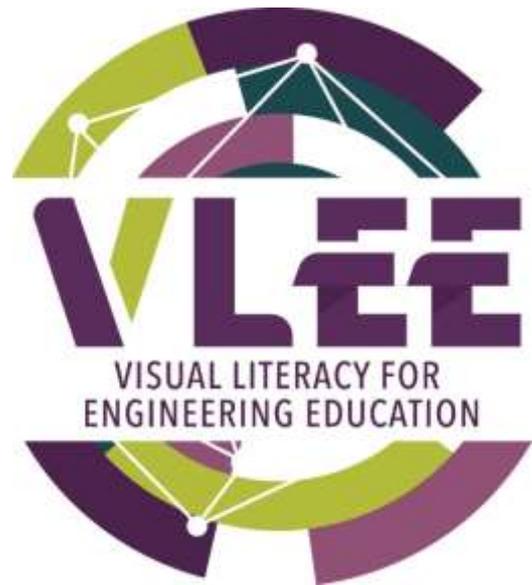# WHAT IS VISUAL LITERACY FOR ENGINEERING EDUCATION?

VISUAL LITERACY for ENGINEERING EDUCATION (VLEE)

is based on the recognition that visual thinking and related skills are key areas of competence across all engineering disciplines. VLEE recognises that the possibilities for developing aforementioned competences have grown due to the proliferation and digital technology development.

The 2018 Digital Education Action plan recognizes that "Digital technology enriches learning in a variety of ways, it opens up access to a wealth of information and resources."

www.vleeproject.eu

THE NEED OF VISUAL LITERACY

Engineering is a strategic sector in European economies, as it drives innovation and growth, thus it needs to be constantly improved by the newest educational innovations. **Digital technology** allows developing the engineering sector, as it has transformed the way how visual resources are used to share knowledge. Therefore, the topic is especially relevant to all disciplines: from mechanical and electrical, automotive to environmental and computer engineering. The implementation of visual literacy into engineering education will make engineers more creative, productive, and competitive. As a result, the engineering sector may produce more value for economy and society.

Despite the fact that digital technology is pervasive in social lives, only 20% of people use the internet and technology for educational purposes.

Engineers and technicians handle visual information in the great amount, such as diagrams, CAD models and drawings.

VLEE PROJECT

VLEE is an EU **Erasmus+ Project** based on the collaboration of partners and experts from Poland, Spain, Denmark, Ireland and the United Kingdom.

The aim of the project is to strengthen and enhance the visual literacy of engineers and to introduce innovative visual literacy training into vocational teaching and provision.

In order to promote visual literacy of engineering education, VLEE partners, working together with engineers, VET trainers, VET organisations and stakeholders are currently focused on achieving following **results**:

1

VLEE COMPETENCE FRAMEWORK

which is a concerted effort to **structure and communicate the engineering-specific components of visual literacy** in a way that speaks the language of educators, addressing the specific gaps in their knowledge.

2

VLEE TOOLKIT

which aims directly at teachers and trainers who wish to **increase the quality of their teaching using digital visual media tools**, but are unsure which tools to use and how to use them.
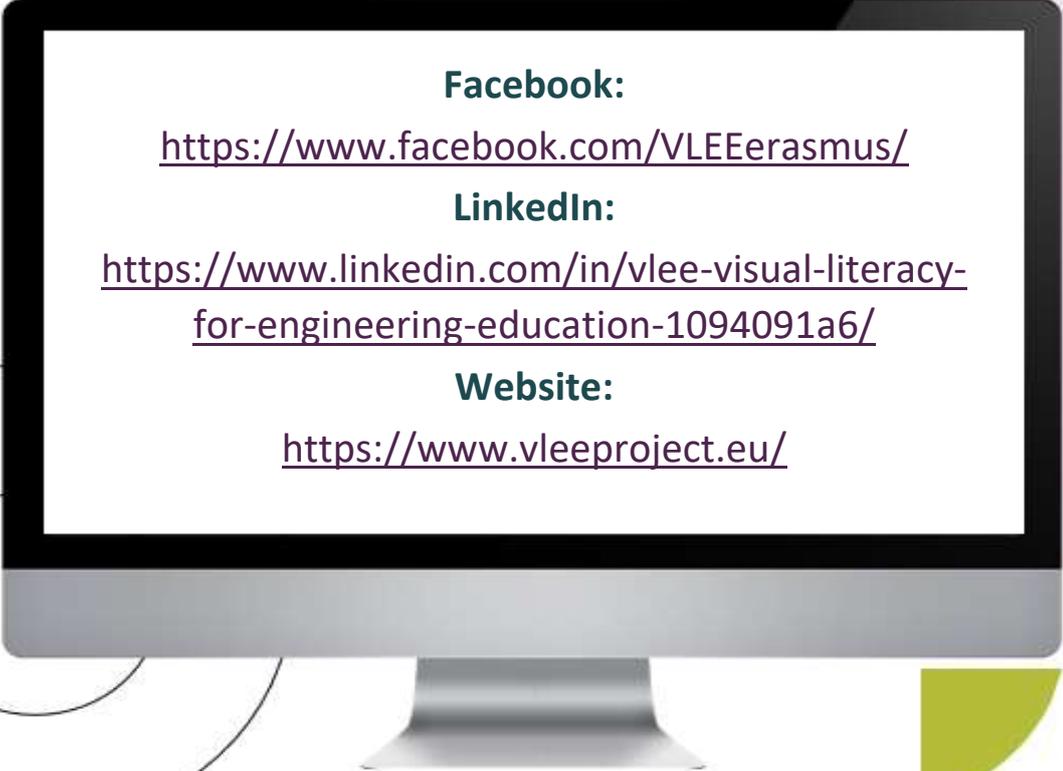
3

VLEE ONLINE COURSE

which complements classroom work, providing teachers a **practical resource to help consolidate student's skill**.

Our Website and Social Media

By joining our community on:

Facebook:

https://www.facebook.com/VLEEerasmus/

LinkedIn:

https://www.linkedin.com/in/vlee-visual-literacy-for-engineering-education-1094091a6/

Website:

https://www.vleeproject.eu/

you can read more about at the latest trends on the topic, and gain access to our resources and courses.

West Pomeranian University of Technology

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