



Co-funded by the  
Erasmus+ Programme  
of the European Union



# CF TRAIN IN VET – SUSTAINABILITY ACTIVITIES DURING AUTUMN 2022

# SDG PROJECT YEAR 1

## ABOUT/CONCEPT

- Focused on environmental sustainability
- Features the Sustainable Development Goals
- The idea is to choose a goal and find ways to improve it.
- Part of a new and mandatory "Environment and energy knowledge" course

## EXAMPLE

### No poverty

Shopping fairtrade will contribute to a more sustainable shopping and give the producers a more fair salary for their work



# YOUNG ENTERPRISE YEAR 2

## ABOUT

- During the second year, students start small businesses in groups of 4 with certain sustainability requirements.
- The business idea can be of any kind. These include both services and products.

## EXAMPLE

- Scented candles made from 99% recycled material. The containers are made from wine bottles that the students receive from restaurants.



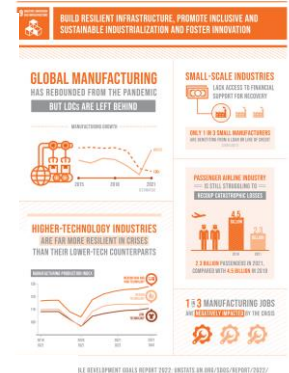
# ENERGY PROJECT YEAR 2

- Another project done during the second year is an energy project where students perform an experiment using solar panels.
- Alongside this, they also do presentations about different energy sources and their impacts on the climate.



# SUSTAINABLE INDUSTRIES (GOAL 9) YEAR 2

- During their 2 week internship period at Sandvik, IPCO or Alleima in Sandviken, the students gather information about how the different places apply their Sustainability Goals in the daily work.
- Their conclusions and ideas for improvement are presented back in school after their internship-period.
- Two



GreenFactory & Sustainable Facilities

Health & Safety	Resources	Working environment	Environment & Water	Site, Building & Infrastructure	Production
Risk Assessment	Water	Noise level	Resilience to Water	Energy efficiency	Process Water
Incidents & Hazard reporting and investigation	Electricity	Air Management	Resilience to Air	Building Storage Based Innovation	Production Equipment/ Machines
Leadership Safety Commitment	CO2/FIT	Materials	Resilience to Soil and Ground Water	Building Use of Sustainable Materials	Energy efficient production
Safe Materials and Processes (MS&P)	Network (SME)	Air Quality (PM, nitrogen, and greenhouse gases)	Water (Quantity and other aspects)	AI&C, Air handling system	Wastewater
The Organization (MS&P, Safety, Health and Environment)	Chemical products	Temperature (Hot/cool)	Carbon dioxide from operations	HVAC Heating systems	Spill plans
Strategic Planning	Electricity Cabling and Striking Rules	Workshop atmosphere	Water	HVAC Cooling systems	
Health & Working	Food	Hygiene	Energy	Compressed Air system	
	Heat	Construction & Customers		Process water (and demineralized)	
	Heat water	Community involvement		Efficient Energy	
				Automation	
				Water Building Management system	
				Maintenance	
				Inventory	
18 (out of 22 possible)	22 (out of 24 possible)	23 (out of 24 possible)	16 (out of 24 possible)	42 (out of 42 possible)	13 (out of 24 possible)



GreenFactory and sustainable facilities



Total points: 134 / 150%  
Average: 2,85

# SUSTAINABLE INDUSTRIES – INTERNATIONAL- YEAR 3

- The goal for this assignment is to learn more about the international working conditions within Sandvik and Alleima as well as their local sustainability policies. They also compare how the countries they are staying in differ from Sweden regarding sustainable development, for example energy, mobility and consumption. The information is later used in a presentation and a report.



# TEACHER WORKSHOP - SUSTAINABILITY

1 NOVEMBER 2022

- Presentation of the CT Train in VET project so far
- Teachers in groups played *"the Climate Game"* and compared their results
- Workshop about factfulness and social sustainability with the help of Gapminder foundation
- Presentation of Sandvik's commitment with the UN sustainability goals
- The sustainability and environmental policies for Göranssonska Skolan was evaluated and found to be not updated – group activity



# SUSTAINABLE DEVELOPMENT GOALS



**Disclaimer text:**

*This project has been funded with support from the European Commission.*

*This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*