

CAD/ CAM Module

Content:

Learning to work on 5-axis CNC milling machines
DMU 50 with Heidenhain
ITNC 530 using SOLID-
WORKS 2018 / SOLID-
CAM 2017

Applying CAD/CAM
solutions for complex
tasks

Understanding the
function and dealing with a
post-processor

Describing tilted operations and explaining I-Machining

Getting to know determinates of 3D processing
(2.5 D-milling)

Duration:

2 weeks at college

Level:

Advanced

Assessment:

CAD program with simulation

Participants:

6 European students + 6 German students

Responsible teachers:

Gerhard Hofmann
Matthias Weickl



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Modules:

CAD/CAM:

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Electro-Pneumatics

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INEU – Intensive Europe

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System Integration

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**Metal engineering/
Electric engineering**



INEU – Intensive Europe Module



Content:

Social skills

team work, self-confidence and conflict resolution

Practical work

Designing a beach grill

Carrying out workshop drawings, applying work plans

Performing welding procedures

Constructing and producing metal components for the beach grill

Language and culture

Communication and presentation of results in a team in English
Company visits and cultural program

Duration:

2 weeks Xabec/Valencia

4 months of virtual mobility

2 weeks Munich: 1 week BSFT/1 week company (SWM)

Level:

Beginners / students with special needs

Assessment:

Presentation of milestones and final product beach grill

Participants:

4 Xabec students + 4 SWM students

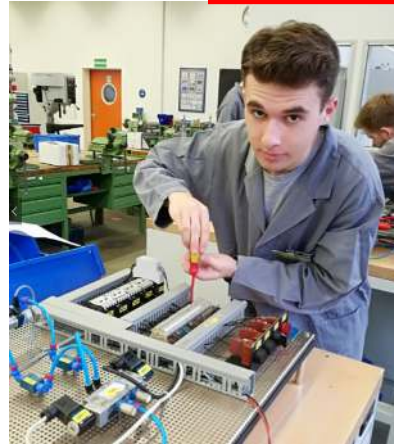
Responsible teachers/trainers:

SWM: Christoph Müller, Bernhard Hanslmaier

XABEC: Serafin Fernandez, Victor Novoa, Fernando Navarro, Gregorio Blanco

BSFT: Constanze Knapp, Stefanie Heringer, Manfred Schauhuber

Electro-Pneumatics Module



Content:

Development of electropneumatic circuits

Connecting pneumatic and electrical circuits by using industrial components

Working in a company in an industrial environment.
(e.g. SWM or Seidenader workshop)

Duration:

1 week at college,

2 weeks at companies

Level:

Beginner

Assessment:

paper & pencil test,

skills demonstration with technical discussion

Participants:

8 European students + 8 German students

Responsible teachers:

Rudolf Michalenko

Philipp Schott



System Integration Module

Content :

Integration of systems in supply chains with focus on the Internet of Things

Cobots

Testing machines

Data transfer by barcodes, qr-codes, RFID, BYOD
SPC, VR / AR

Automated measuring on CNC-machines



Duration:

2 weeks at college

Level:

High performer

(End of second year/ Beginning of third year)

Participants:

12 European students + 6 German students

Responsible teachers:

Petra Kappelan

Andreas Lindner

