

**APPRENTICESHIPS  
& COMPANIES**

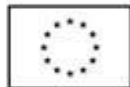
**JULIA DUSOULIER**

# ÉCOLE D'INGÉ NIEURS CESI



france (manche channel) england  
**interreg**

European Regional Development Fund  
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Fonds européen de développement régional  
L'Union européenne investit dans votre avenir

## ENGINEERING APPRENTICESHIPS

Industry based  
training  
benefitting  
companies.

# NEW WORKPLACE ENTRANTS



# THE APPRENTICESHIP

The Historical Context



Learn a trade



# THE MODERN APPRENTICESHIP





# THE STUDENTS

▣ 'A' Levels  
+ 2 years  
or Higher  
National  
Diploma

Science or  
Technology



Practical



Theory

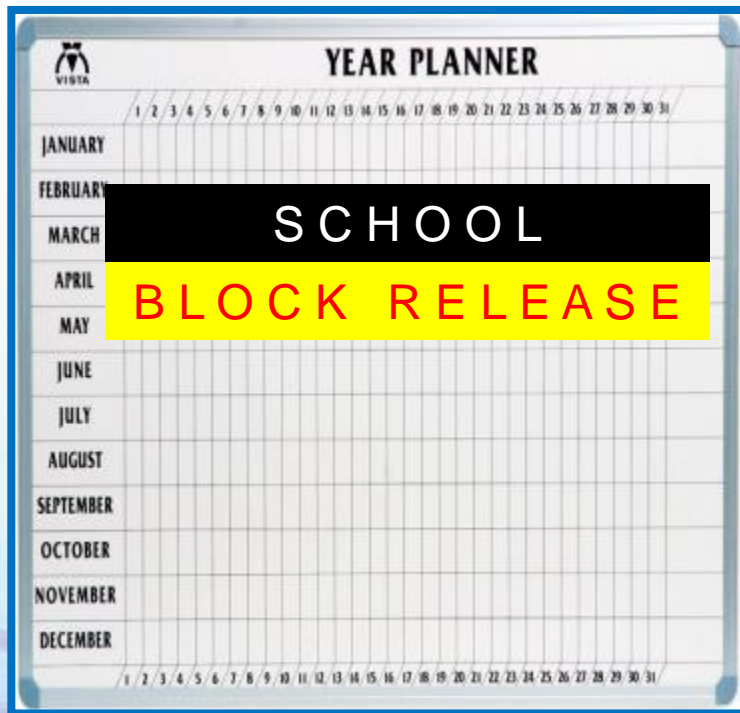
# ROBUST AND PROFESSIONALISING TRAINING

- ❑ Academic training:
  - Interactive, practical methods and projects
  - Scientific fundamentals
  - Engineering techniques
  - Modern languages
  - Humanities
  - Social sciences



# ROBUST AND PROFESSIONALISING TRAINING 2

Vocational Training



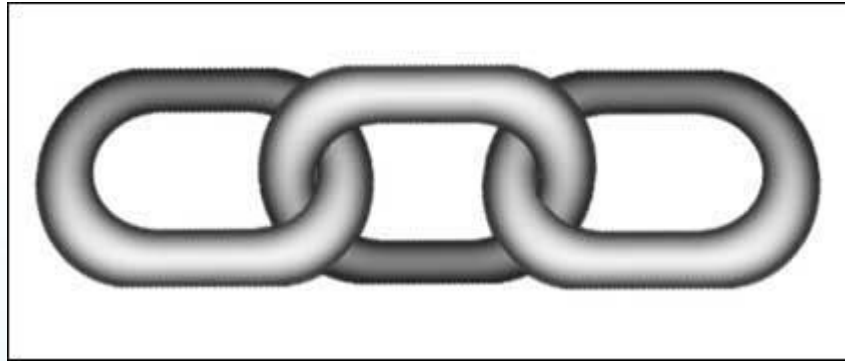
International Work placement





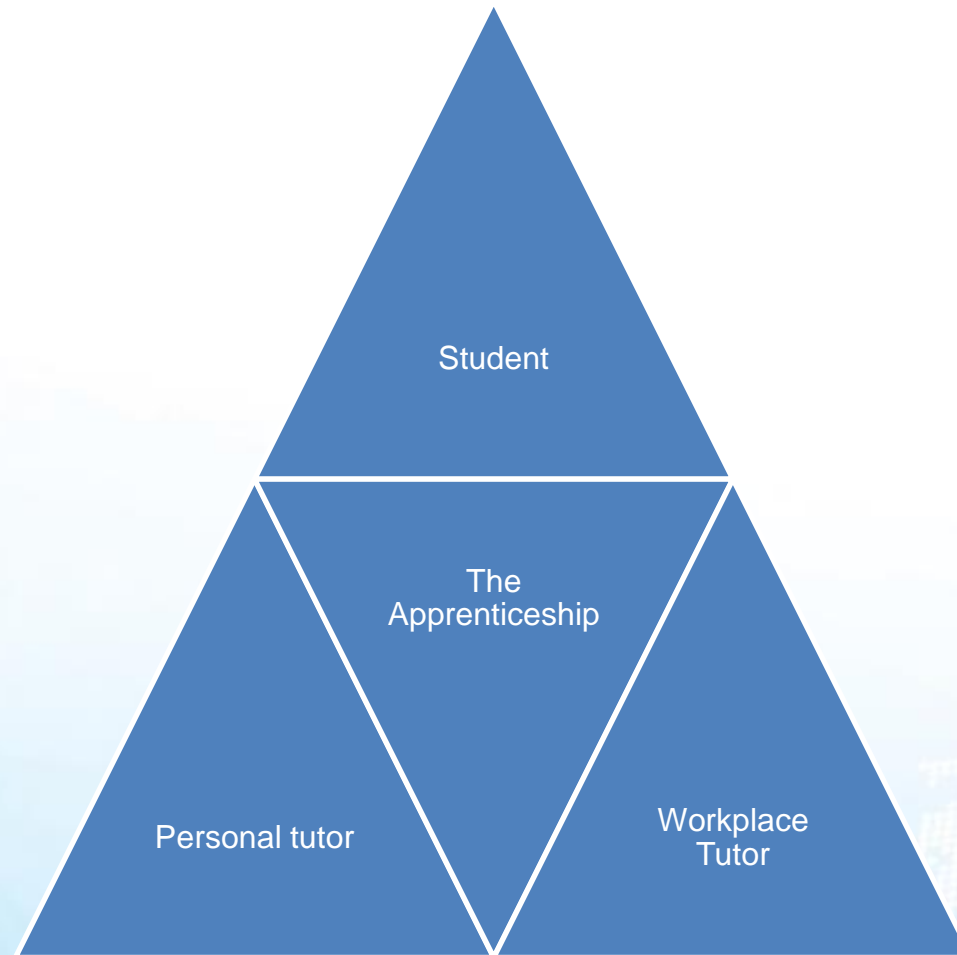
# ROBUST AND PROFESSIONALISING TRAINING

- ▣ Articulation of training



The key pedagogical strength lies in the articulation of training between the school and the companies

# 1 A TRIPARTITE APPROACH



## 2 THE MISSIONS

 Technician

First Year : A Technical Report

Second Year : Real-time projects based on problem resolution

Final Year : Managing and leading 'junior engineer status' projects

**ENGINEER**

### 3 COMPANY VISITS

The Personal Academic Tutor:

- ❑ Visits the company once a year
- ❑ Check on progress
- ❑ Conditions of the working environment
- ❑ Relationship between the workplace tutor and the student
- ❑ Answers their questions
- ❑ Tour of the company

# 4 FEEDBACK SESSIONS

- ❑ 12/15 students
- ❑ Share experience
- ❑ Difficulties and coping strategies
- ❑ Shared learning



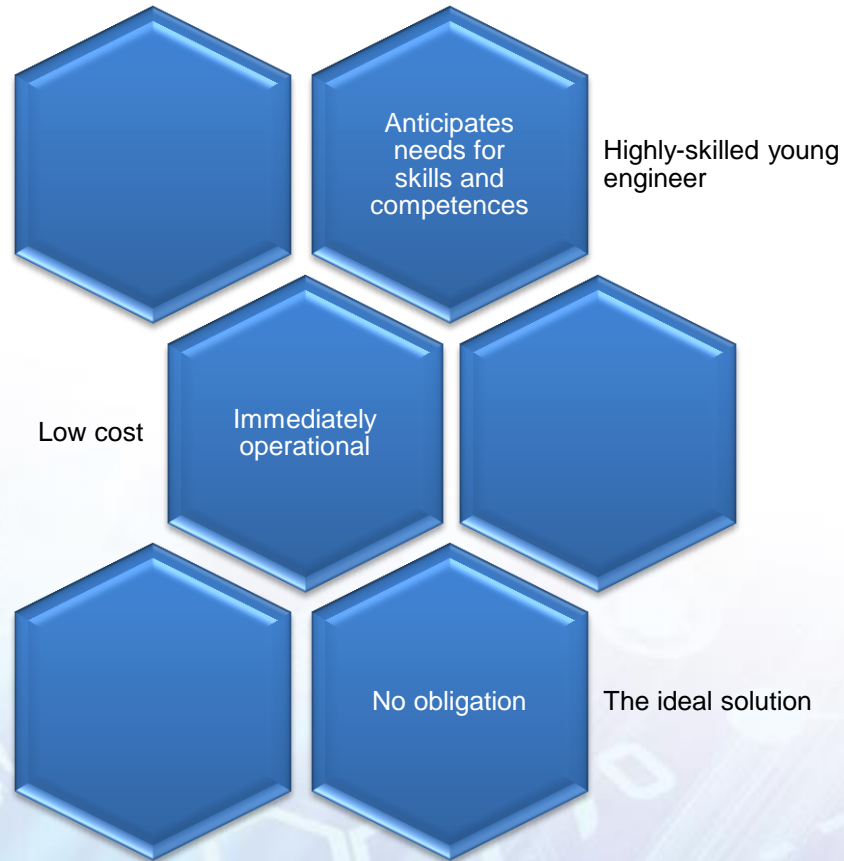
# 5 INDIVIDUAL TRAINING PROJECT

- ❑ First year : identification of a professional goal
- ❑ Third year : personal skills assessment
  - I. Skills and competences required
  - II. The missions accomplished
  - III. The training courses taken



# THE APPRENTICESHIP

## ▣ Conclusion



**BENEFITS IS PART-FUNDED BY THE EUROPEAN UNION, VIA THE CHANNEL AREA INTERREG IVA PROGRAMME AND ERDF FUNDS.**

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