## **REINVENT** ENGINEERING

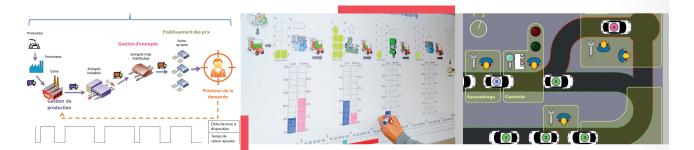




#### 2<sup>ND</sup> AND 3<sup>RD</sup> YEAR SPECIALISATION

## INDUSTRIAL ENGINEERING

Gain the capacity to understand a company and its organisation from an overall perspective (extended enterprise, information system, process, quality and standards etc), and acquire the tools and methods for optimal management (decision making, production management, supply chain, change management etc.)



## **COURSE CONTENT**

- > Roles and organization
- > Risk management
- > Decision-making tools and methods
- > Sustainable production
- > Product modelling
- Processes, quality and standards
- > Enterprise modelling and performance
- > Information systems and knowledge management

- > Project 1
- > Change management
- > Costing, purchasing and pricing
- > Value networks
- > Simulation and operations research
- > Project 2
- Internship



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# CONTROL

#### **INDUSTRY SECTORS**

> All (automotive, aeronautics, defence, food processing, IT or company performance consultancy etc)

#### **CAREER PROSPECTS**

- Production management/organisation, management of industrial processes
- > Internal and external supply chain
- > Stocks / purchasing
- > Costing / pricing
- Consultancy (information systems, continuous improvement)
- > Industrial reference and best practice systems

#### **EXAMPLES OF PREVIOUS PROJECTS**

- > Study of the ergonomics of a workstation for Daher Socata
- > Study of a chassis identification system for Bobcat
- > Definition of a quotation support system for MTA Industrie
- > Study of the impact of AI for change management for ORESYS
- > Optimization of maintenance plans for SNCF

#### **EXAMPLES OF PREVIOUS INTERNSHIPS**

- > Continuous improvement
- > Optimization of production
- > Logistics and Supply
- > Junior Management Consultant

#### **TEACHING STAFF**

#### **HEAD OF SPECIALISATION:**

Raphaël Chenouard

#### LECTURERS:

Catherine da Cunha, Frédéric Alexis, Thomas Lechevallier, Jean-François Petiot, Jean-Yves Hascoët, Farouk Belkadi, Matthieu Rauch, Alain Bernard, Florent Laroche, Hervé Thomas, Pascal Gilcquin



