Maestri Training courses on TedEd

Microcourse 1 - Introduction to the MAESTRI Total Efficiency Approach

Training programme:

- **WATCH**: introductory video of MAESTRI presentation at ACHEMA Forum
- **THINK**: 5 multiple-choice questions
- **DIG DEEPER**:
  - Doing more with less
  - Goal and vision
  - Gaps and solutions
  - Total Efficiency Framework
- **...AND FINALLY**: recap of H2020 MAESTRI course

Freely accessible here: [https://ed.ted.com/on/aBaCvNtE](https://ed.ted.com/on/aBaCvNtE)

Microcourse 2 - Industrial applications of IoT to the MAESTRI Total Efficiency Framework

Training programme:

- **WATCH**: introductory video of MAESTRI presentation at ACHEMA Forum
- **THINK**: 4 multiple-choice questions
- **DIG DEEPER**:
  - The IoT in industrial ecosystems
  - The IoT and process optimisations
  - The MAESTRI IoT’s vision
- **...AND FINALLY**: info and direct links to Deliverables, published on MAESTRI website, where interested participants can deepen their knowledge on specific topics connected to the object of the lesson

Freely accessible here: [https://ed.ted.com/on/nF7m5SRR](https://ed.ted.com/on/nF7m5SRR)
**Microcourse 3 - Eco-efficiency procedures and methodologies**

Training programme:

- WATCH: video on Eco Orbit View realized by LEI Polska
- THINK: 3 multiple-choice questions
- DIG DEEPER:
  - Definition of efficiency framework concept
  - Eco-efficiency assessment methods and applications (ecoPROSYS)
  - Efficiency assessment methods and applications: Multi-layer Stream Mapping (MSM)
- DISCUSS: guided discussion “Integration of ecoPROSYS and MSM approaches”

...AND FINALLY: info and direct links to Deliverables, published on MAESTRI website, where interested participants can deepen their knowledge on specific topics connected to the object of the lesson

Freely accessible here: [https://ed.ted.com/on/WMpYzssQ](https://ed.ted.com/on/WMpYzssQ)

**Microcourse 4 – Introduction to Industrial Symbiosis**

Training programme:

- WATCH: speech given by Maria Holgado (UCAM) on “Challenges and key success factors for Industrial Symbiosis”
- THINK: 4 multiple-choice questions
- DIG DEEPER:
  - Conceptual integration of Industrial Symbiosis into the Total Efficiency Management Framework
  - Benefits of adopting an Industrial Symbiosis approach
  - Tools to fully exploit Industrial Symbiosis
  - Opportunity identification and definition
  - Exchanges design and planning
  - Exchanges implementation and progress

...AND FINALLY: direct links to the “Library of 46 case studies” on Industrial Symbiosis, published on MAESTRI website

Freely accessible here: [https://ed.ted.com/on/SjgKPSii](https://ed.ted.com/on/SjgKPSii)

**Microcourse 5 - Management System: Lean and Eco-Lean applications within the Total Efficiency Framework**

Training programme:

- WATCH: video on Eco Lean Management Board realized by LEI Polska
- THINK: 5 multiple-choice questions
- DIG DEEPER:
  - MAESTRI Management System elements
  - MAESTRI specific elements of the management system
- Eco Orbit View: connections between environmental and business aspects of production process
- Focused Gemba Walk
- Retrospective analysis
- Eco Lean Management Boards and operational meetings for companies caring for sustainable development

...AND FINALLY: direct link to MAESTRI YouTube channels with both videos

Freely accessible here: https://ed.ted.com/on/9PAOMrSP