

The background features a central hub-and-spoke diagram with a central circular node containing concentric lines. Five icons are connected to this hub: a handshake, a bar chart, a hierarchical tree, a globe, and two interlocking gears. Multiple white arrows of varying lengths and directions radiate from the central hub towards the bottom-left corner. The Siemens logo and tagline are in the top right, and the event title and date are in a teal box at the bottom. The footer contains copyright and product information.

SIEMENS

Ingenuity for life

Industrie 4.0 and Innovation

Palais des Congrès, 26 April 2016

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Siemens Aeroderivative Gas Turbines

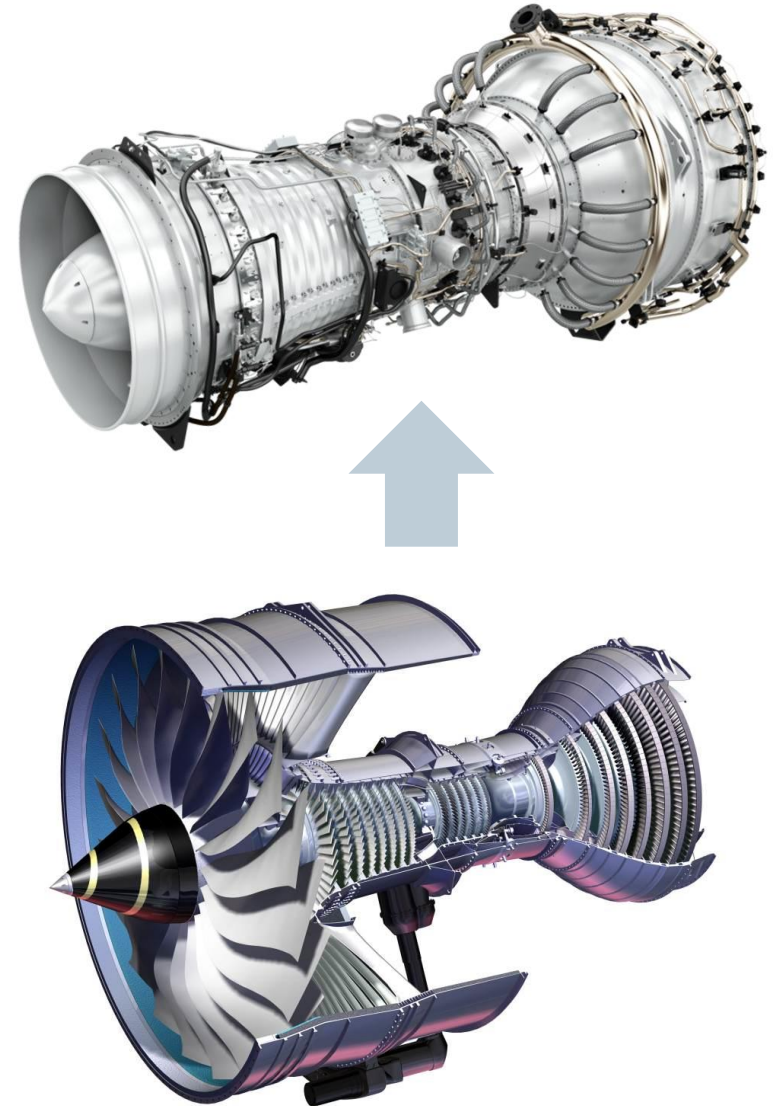
By means of an introduction...

Siemens Aerospace in Canada

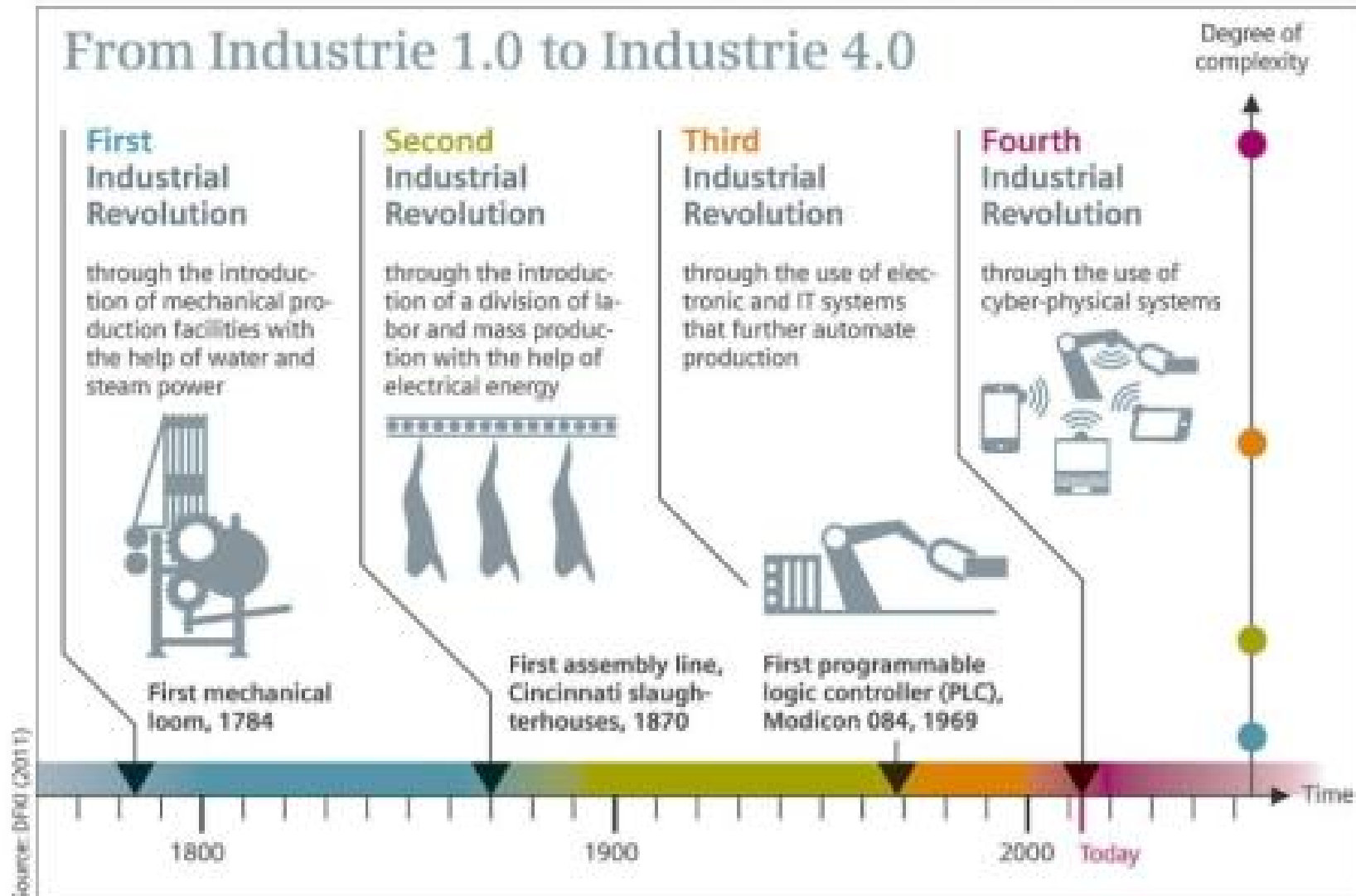
Industrie 4.0 and its “Vision” ?

Implications for:

- The Manufacturer?
- The Customer?
- The Engineer?
- The Innovator?

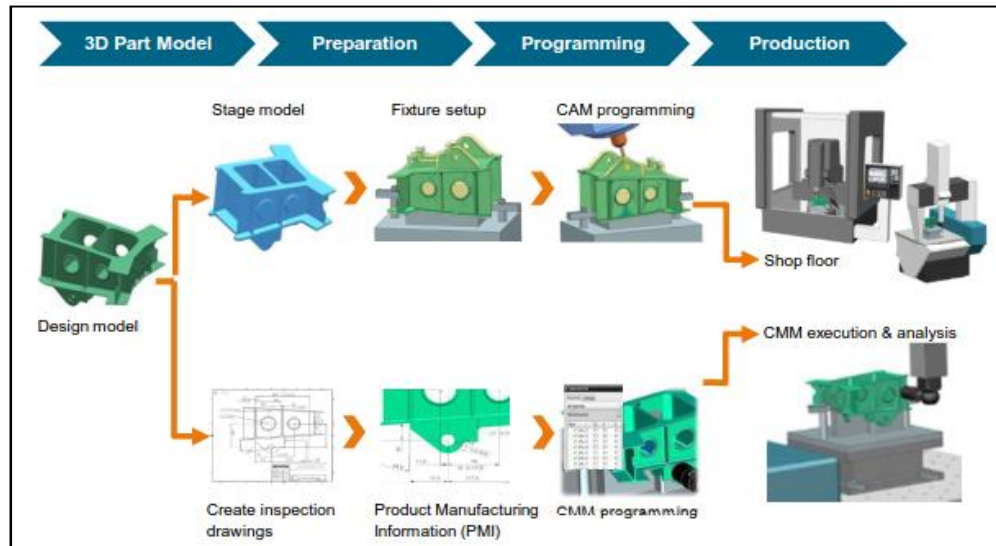


The Evolution of Industrial Revolutions...

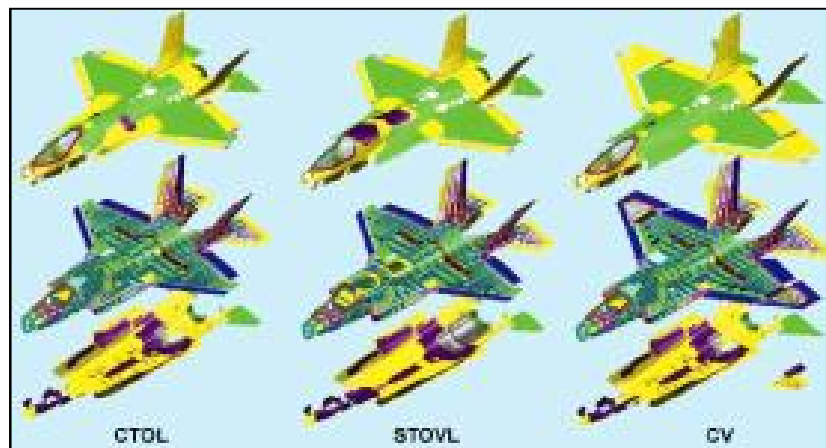


The *Digital Factory* and...

HOW WE DESIGN



HOW WE SELL



HOW WE MANUFACTURE

The manufacturing capabilities are shown in four panels:

- Advanced Processes**: A large industrial machine.
- Process Simulation**: A 3D simulation of a factory floor with robotic arms.
- Human Performance & Safety**: A person in a virtual environment with a data overlay.
- Plant Simulation**: A 3D simulation of a factory building.

Siemens Digital Factory

And HOW WE INNOVATE ???

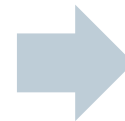
Foundations...

Standardization

Data
Interfaces
Topology



Optimization



Customization

Components
Modules
Products
Processes

Innovation

New Architectures
New Topologies

One Example...

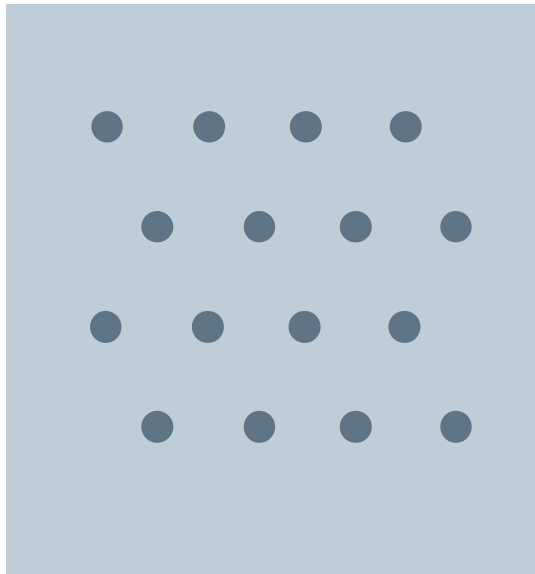
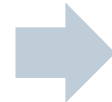
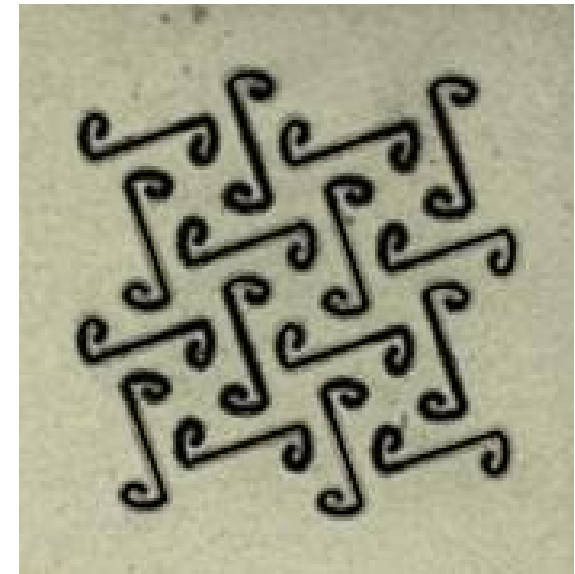


Plate with cooling holes
(combustor wall)



“cork-like” model



NPR Structure
>1000X life improvement

The background features a central circular hub with concentric rings, from which several lines radiate outwards to various icons: a handshake, a bar chart, a hierarchical tree, a globe, and interlocking gears. A series of white arrows with heads point towards this central hub from the left side of the page. The Siemens logo and tagline are positioned in the top right corner.

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THANK YOU

April 2016