

SIEMENS



McMaster Industry Open House – April 7

Expert Panel – Industry 4.0

The Siemens organization



Power and Gas

Large Gas Turbines, Generators
 Distributed Generation
 Steam Turbines
 Compressors
 Energy Solutions
 Instrumentation & Electrical



Power Generation Services

Large Turbines
 Distributed Generation and Compressors
 Wind Power & Renewables



Wind Power and Renewables

Wind Power & Renewables
 Tillsonburg Blade Manufacturing Plant



Energy Management

Medium Voltage & Systems
 Low Voltage & Products
 Transformers
 High Voltage Products
 Transmission Solution
 Energy Automation
 Smart Grid Solutions & Services



Building Technologies

Control Products & Systems
 Solution Service Portfolio

- Solutions
- Services
- Enterprise Security
- Building Performance and Sustainability
- Data Center



Digital Factory

Factory Automation
 Motion Control
 Control Products
 Customer Service



Process Industries and Drives

Large Drives
 Process Automation
 Oil & Gas and Marine
 Mechanical Drives



Mobility

Mobility Management
 Urban Transport



Healthcare

Imaging & Therapy
 Clinical Products
 Diagnostics



Siemens Financial Services

Siemens Canada – a strong local presence

- More than 4,800 employees
- Sales of \$3 billion CAD (fiscal year ending Sept. 30th, 2015)
- 46 offices
- 15 manufacturing / assembly facilities



Key areas where Industry 4.0 provides significant advantages to manufacturing firms

Reducing the time to market



- Shorter innovation cycles
- More complex products
- Larger data volumes

Enhancing flexibility



- Individualized mass production
- Volatile markets
- High productivity

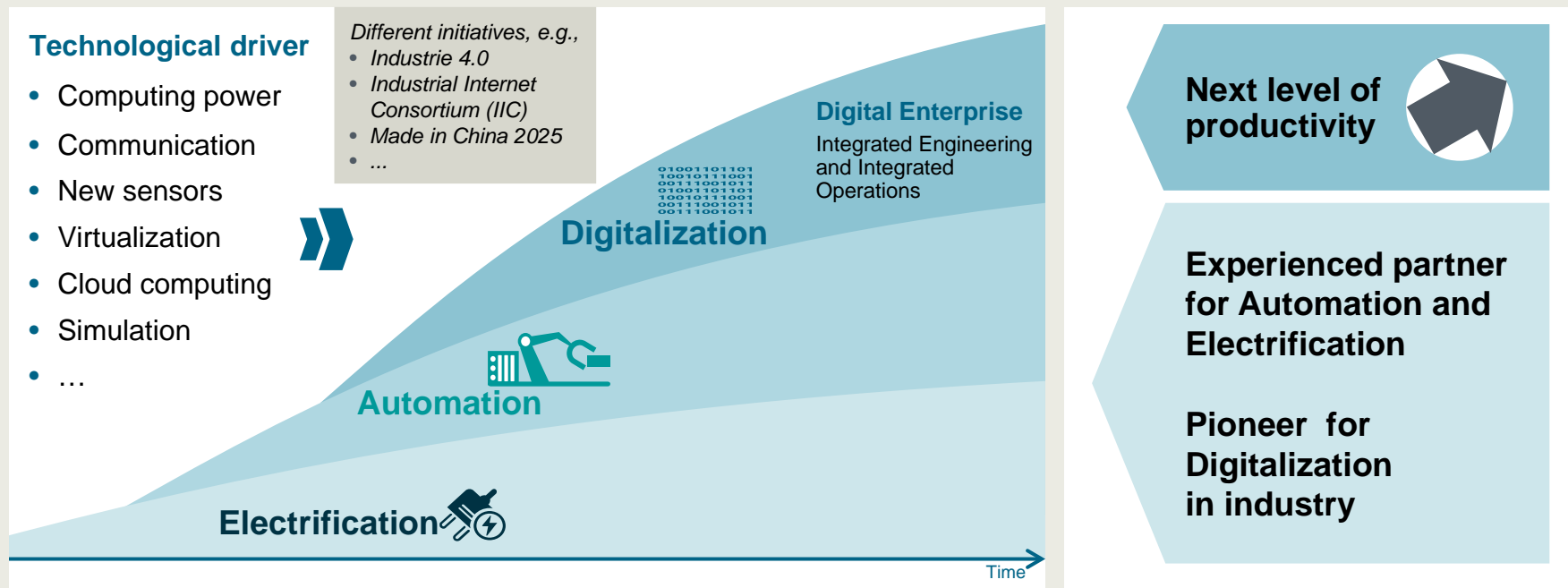
Increasing efficiency



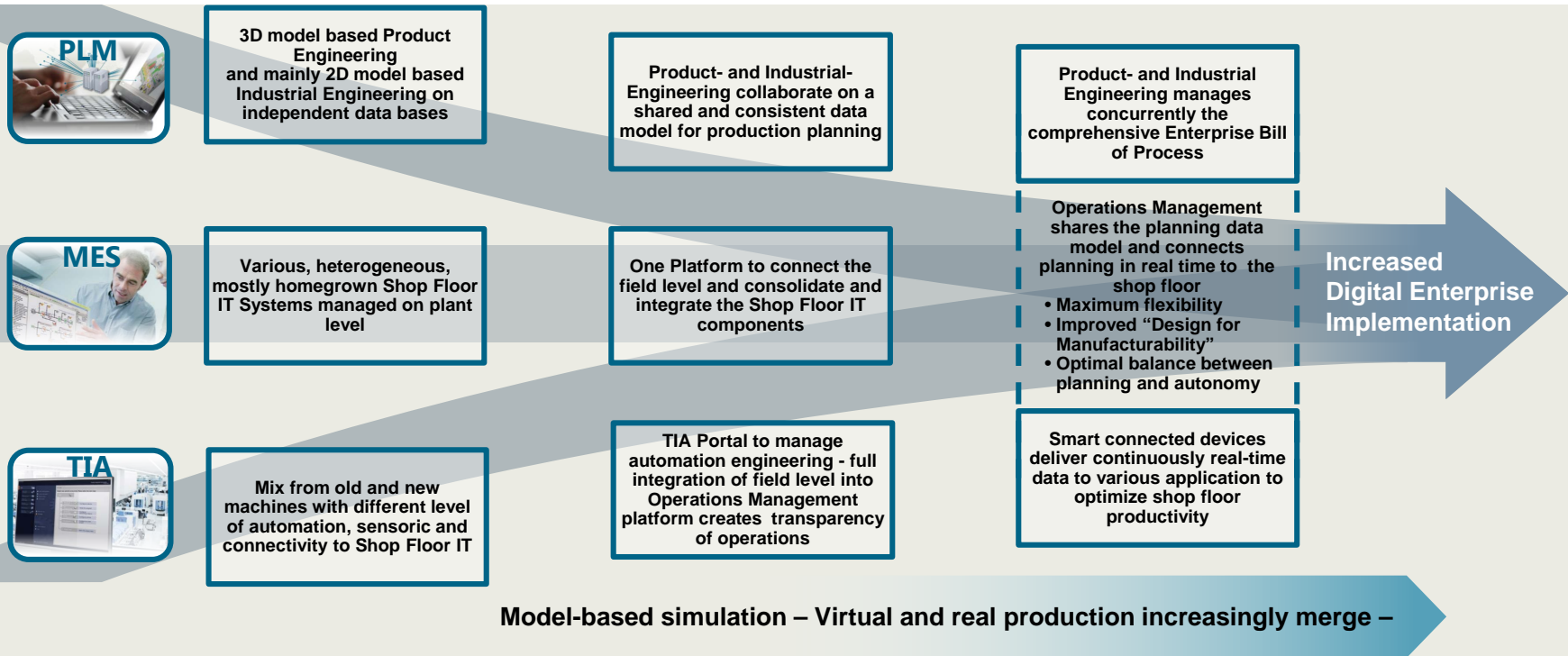
- Energy and resource efficiency as key competitive factors

Digitalization provides the next level of innovation and productivity within manufacturing

Electrification, Automation and Digitalization as levers to increase productivity



Siemens continues to invest heavily in our technology to help manufacturers digitalize and realize Industry 4.0 benefits



SCETA – Siemens Canada Engineering and Technology Academy



Dual Education Program

| | | |
|--|--|--|
| Engineering <ul style="list-style-type: none"> • 4-5 Year Programs • Universities • Polytechniques | Technology <ul style="list-style-type: none"> • 3 Year Program • Colleges • Polytechniques | Apprenticeship <ul style="list-style-type: none"> • 2 Year Program • Colleges |
|--|--|--|



MOHAWK



Siemens Technology Certificate Program

- Mechatronics Systems
- Mechanical and Manufacturing (CNC)
- SMART GRIDS

Engineering Professional Relations Management

- Professional Engineering Association
- Technology Associations
- Industry Associations

Life Long Learning

- Engineering Education Courses
- Engineering Co-op Program

Thank you...



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