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The Future Worker for the Plastics Industry

Human Centric Innovation
in **Smart Manufacturing**

Injection Moulding *4.0* Ready

Injecting the concepts of Industry 4.0 into the traditional plastic industry and SMEs

The Future Plastics Workshop

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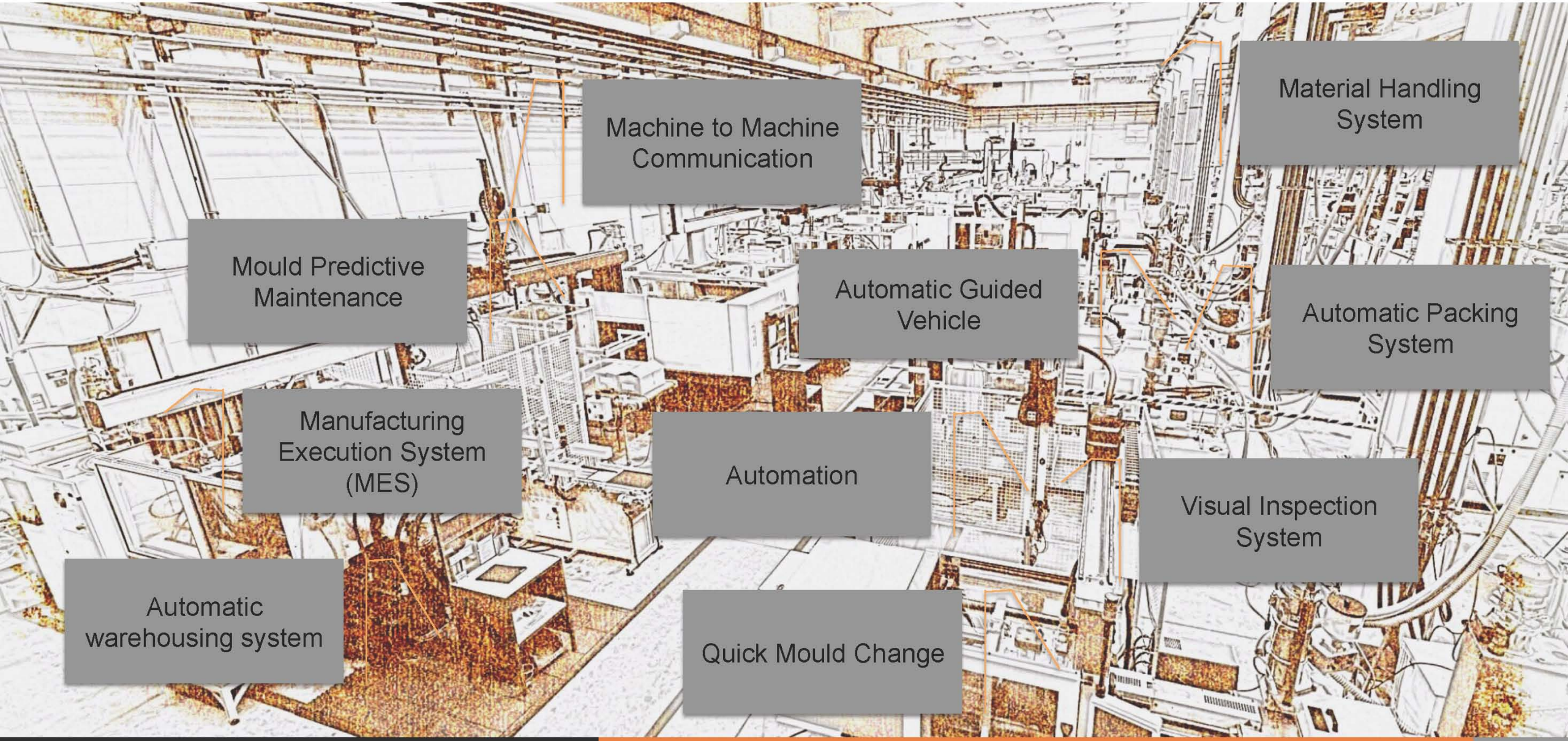

Past projects: Fully automated factories in Europe

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2004

Average monthly cost for worker was US$300

Route to Industry 4.0

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Industry **2.0**
1870-1880

Industry **3.0**
1970-1980

Industry **4.0**
Today

1887 ← **124 Years** → 2011

Merchandise Marks Act

Industry 4.0 Plan

Inferior Quality
Counterfeit

Value for Money

High Quality

Road to Industry 4.0

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1887 ← 124 Years → 2011

Merchandise Marks Act

Industry 4.0 Plan

Inferior Quality
Counterfeit

Value for Money

High Quality

20XX? → 20XX?

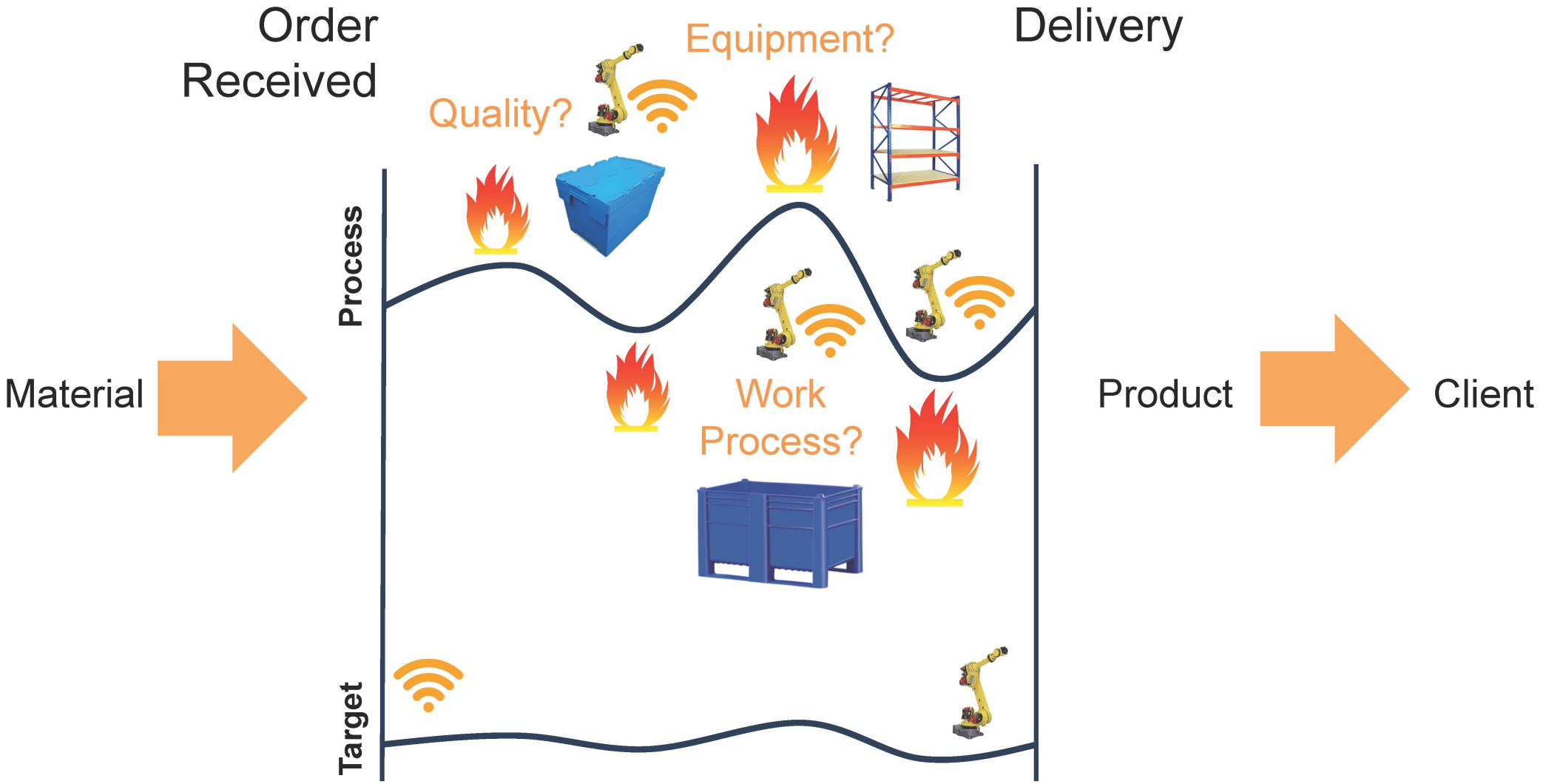
Inferior Quality
Counterfeit

Value for Money

High Quality

Smart
Manufacturing

Challenges



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Development Roadmap for Injection Moulding *4.0* Ready

04 Smart Manufacturing
Injection Moulding *4.0* Ready
iPlast 4.0

03 LEAN Automation
Improve product assembly and work flow

02 Smart Maintenance
Increase equipment reliability

01 SmartData Scientific Moulding
Improve process stability

THE INDUSTRY AND EDUCATION REVOLUTION

iPlast4.0 Innovation Centre and Learning Factories

To implement smart manufacturing for the many companies

MPMA

GMI
GERMAN-MALAYSIAN INSTITUTE

What we do

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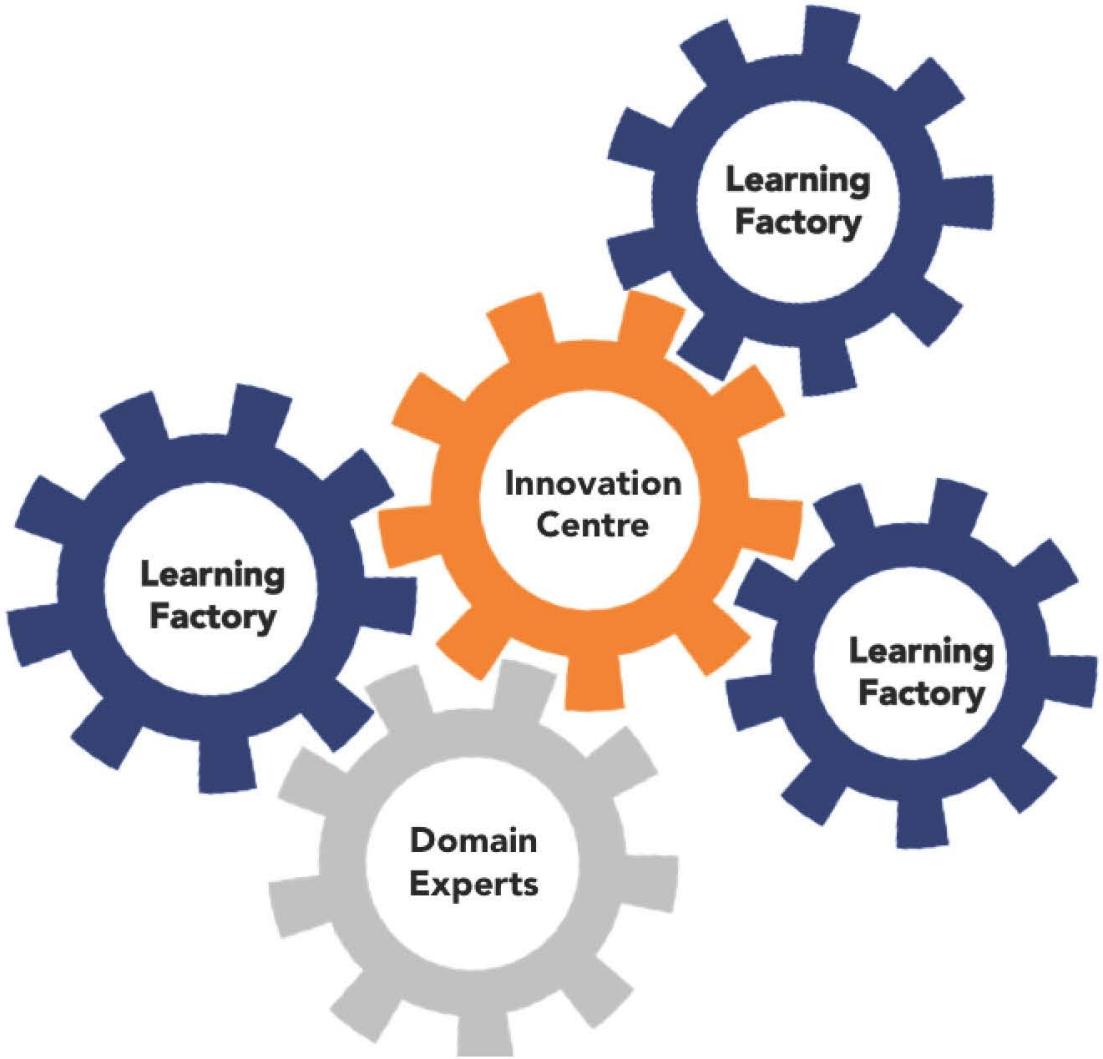
Realising Injection Moulding 4.0

1 Set up a “Smart Moulding Factory” according to the German “Industrie 4.0” concept.

2 A platform for the plastics industry, educators and students from different disciplines to come together and set new standards for the future smart production.

3 Attract and retain talents for the plastics industry.



Innovation Centre

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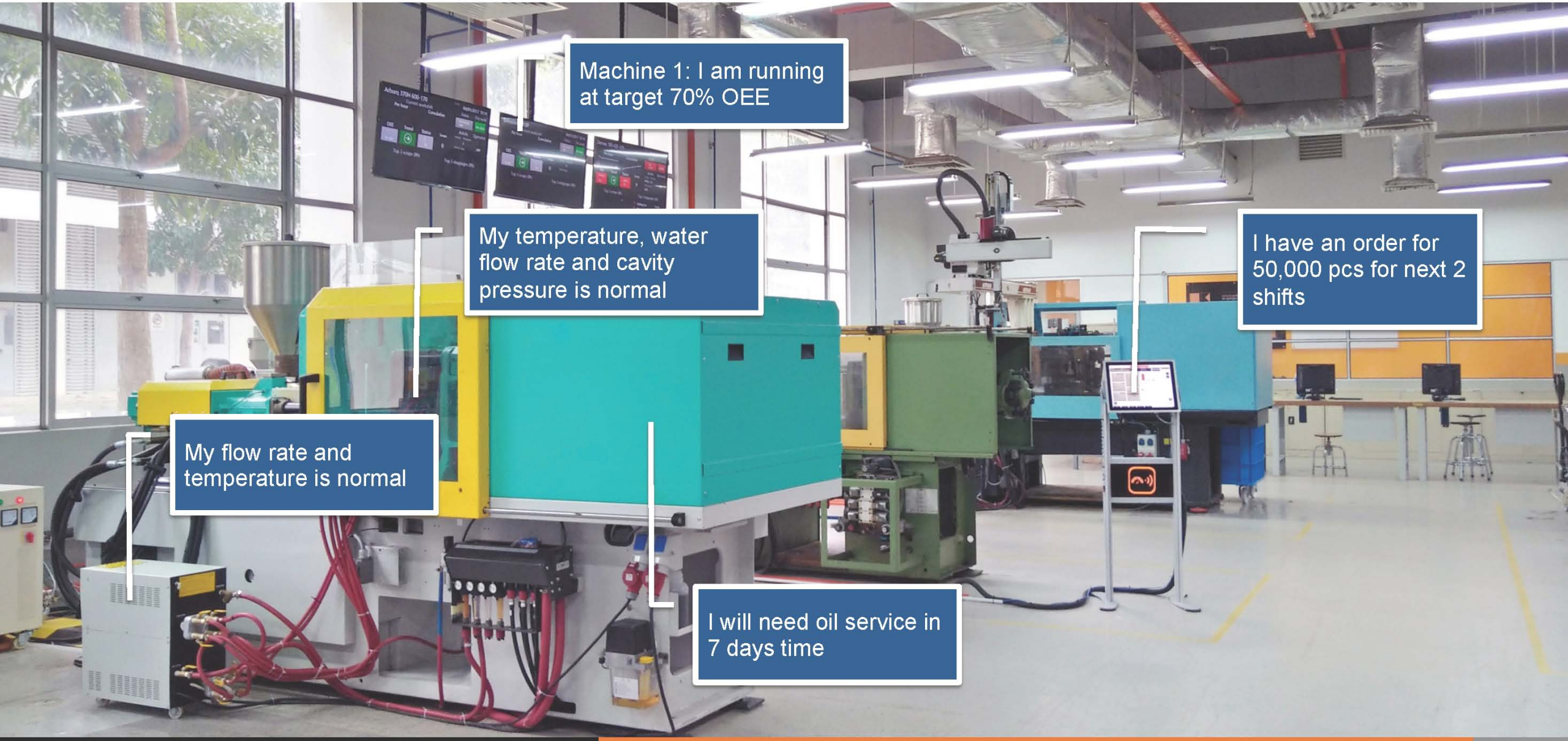

Training future workers; Upgrading loyal employees

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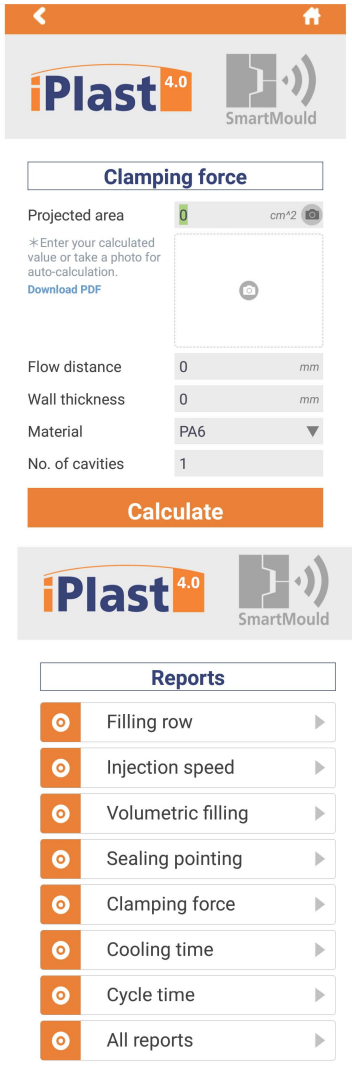
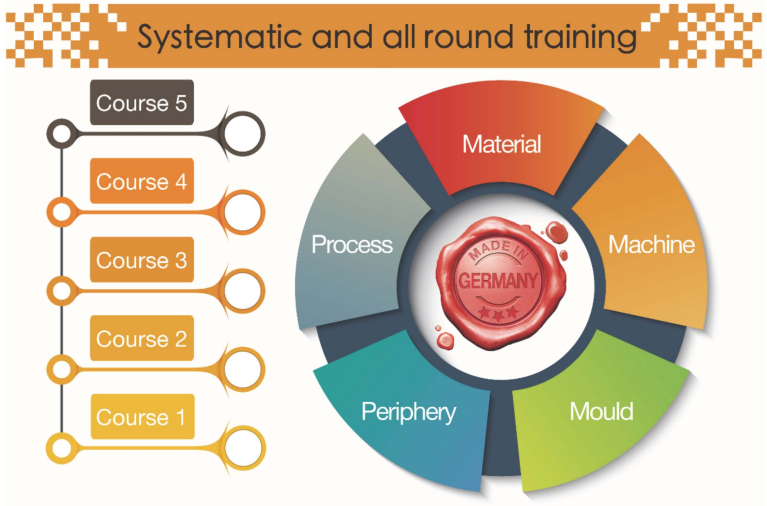
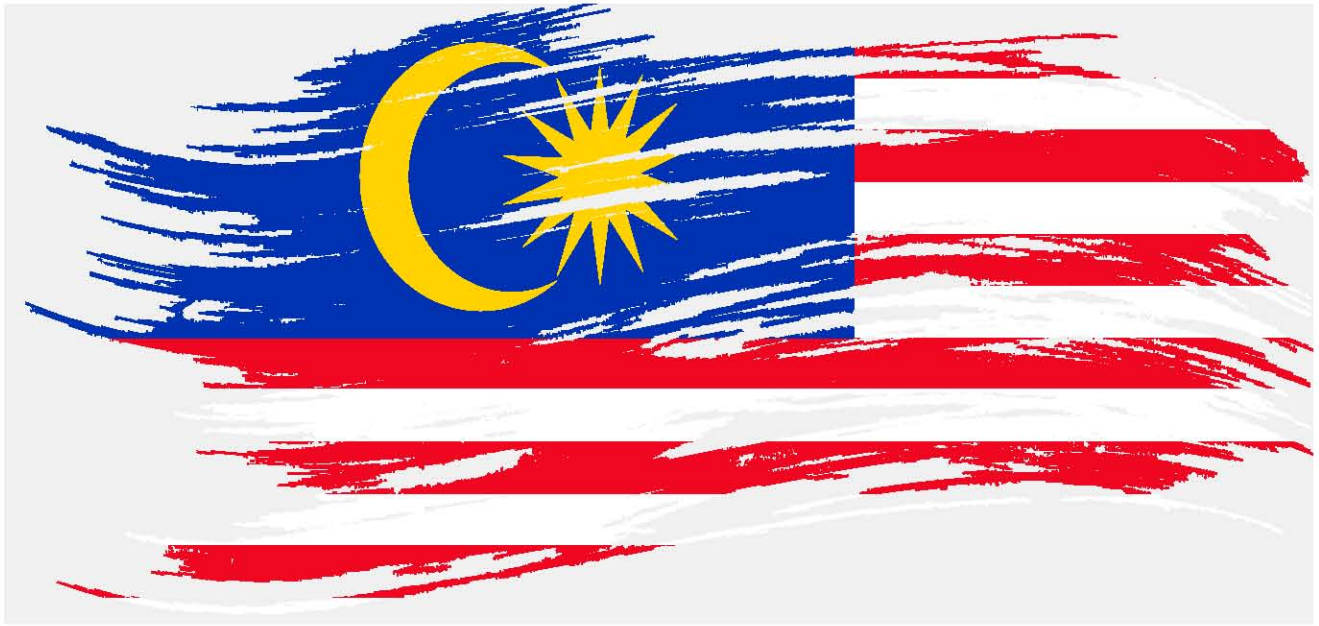


Injection Moulding Driver Licence®

Systematic and all round training for injection moulding



Keep manufacturing in Malaysia!



Thank you!