



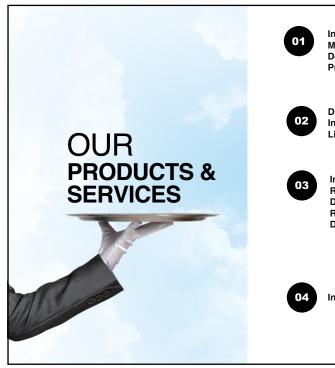
Our Company

# iPlast 4.0

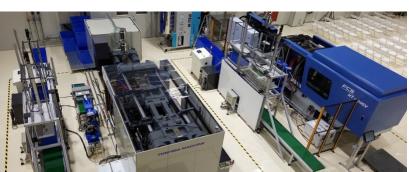
Our vision is to enable people-centric smart manufacturing for the many companies. We bring together an international team of practitioners, from retired engineers to practising professionals to young industry entrants. The team hails from both Europe and Asia, and offers great expertise and experience in enabling Injection Moulding 4.0.

Together with our global eco-system of renowned partners, iPlast 4.0 helps our clients to implement Innovation Centres and Model Factory Cells (MFC) that are microcosms of Industry 4.0 concepts. To ensure successful adoption by clients, these implementations combine readiness check, consulting, hardware, training and software in the fields of Scientific Moulding, Smart Maintenance, Smart Automation and Smart Manufacturing.

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- **Industry 4.0 Senior** Management Development Programme .
- **Model Factory Cell**
- Digitalisation and Industry 4.0 Driver Licence®
  - **TVET-Industry Model**
- Injection Moulding 4.0 Readiness Check and **Digital Transformation** Roadmap . Development
- **Training Programmes** 1. Scientific Moulding
  - Scientific Maintenance
  - 3. **Smart Automation**
  - **Smart Manufacturing**
- **Innovation Centre**
- **Industrial Cloud Platform** (Zhuge SmartCloud 诸葛云)



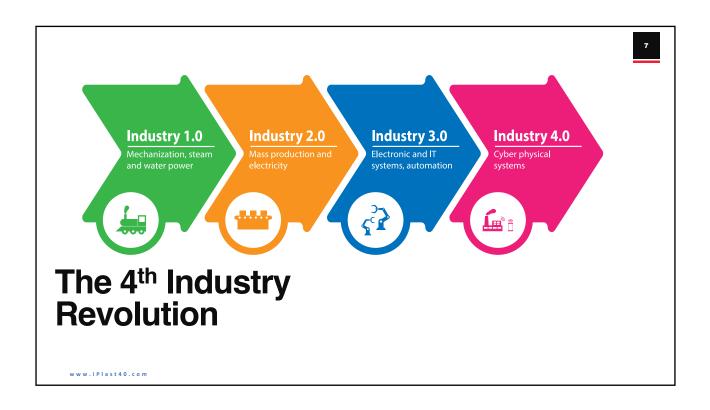


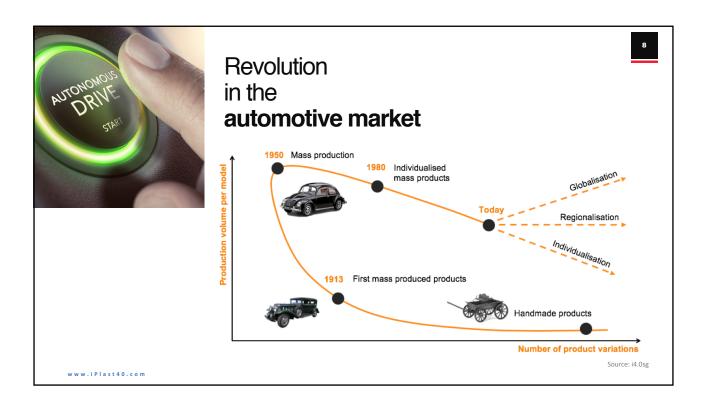
### **OUR PROTOTYPING**

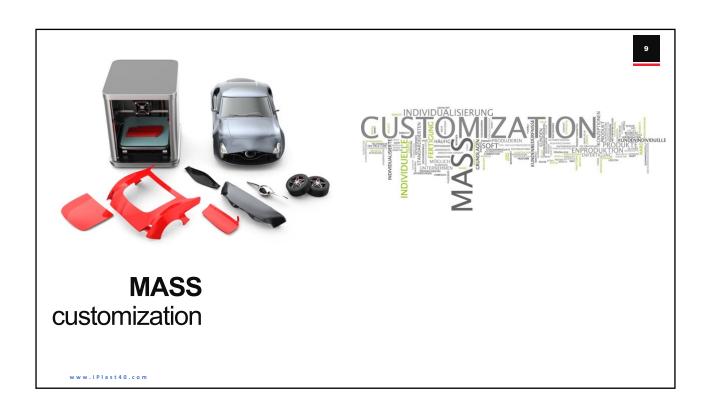
- 1. Innovation Centre
- 2. Model Factory Cell

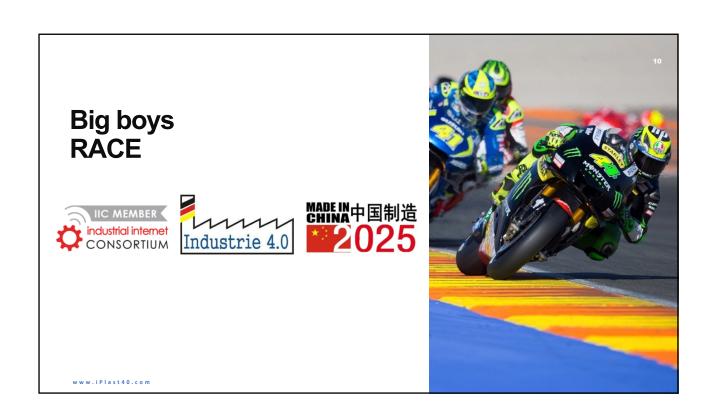
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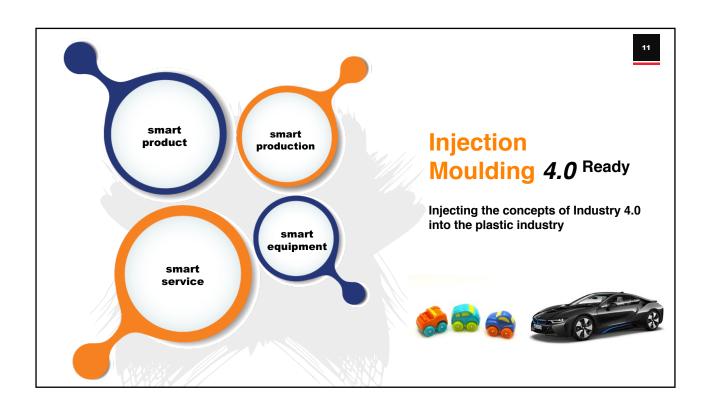
Source: Felli and 智人汉耀



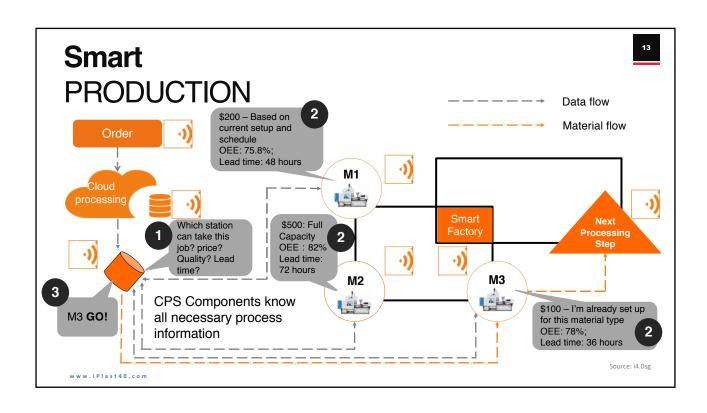






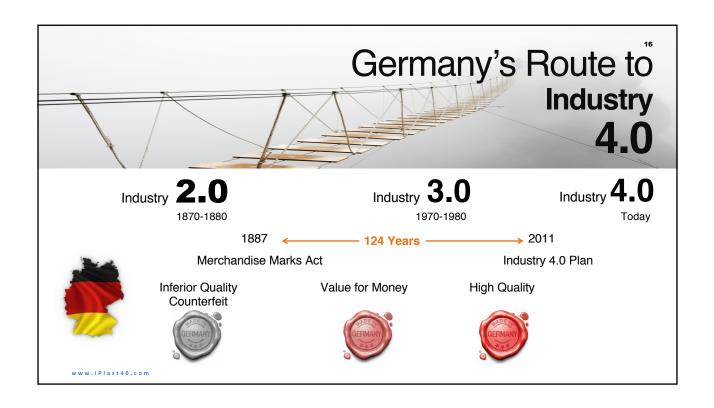


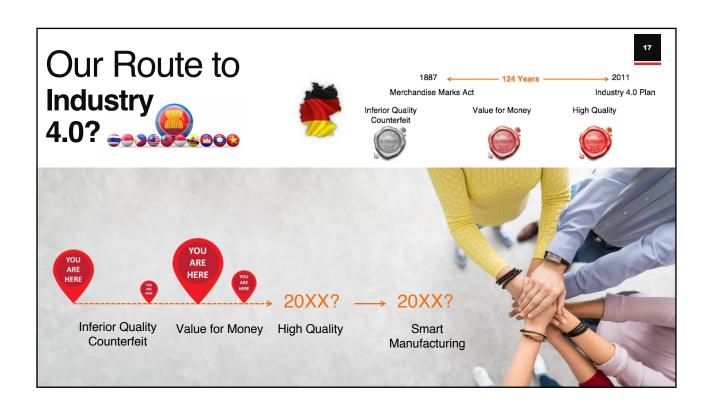




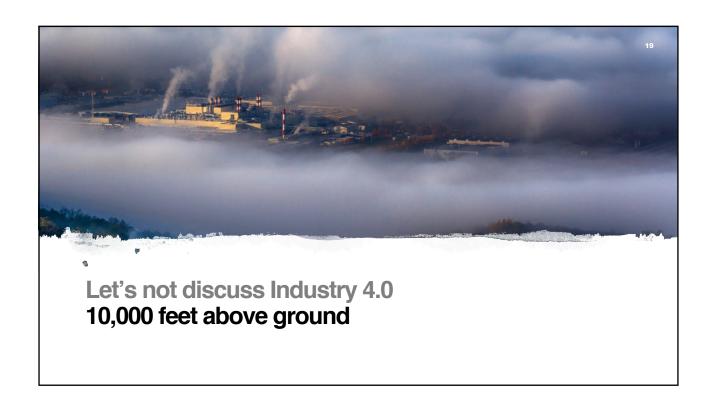


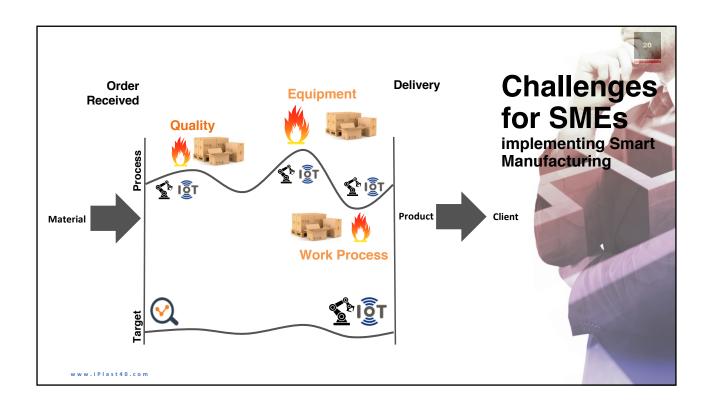


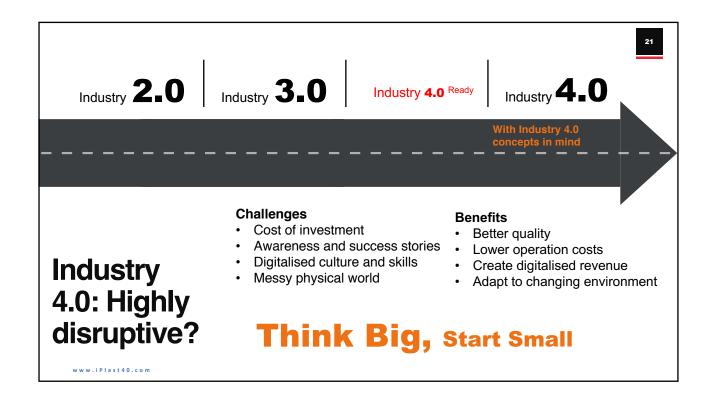


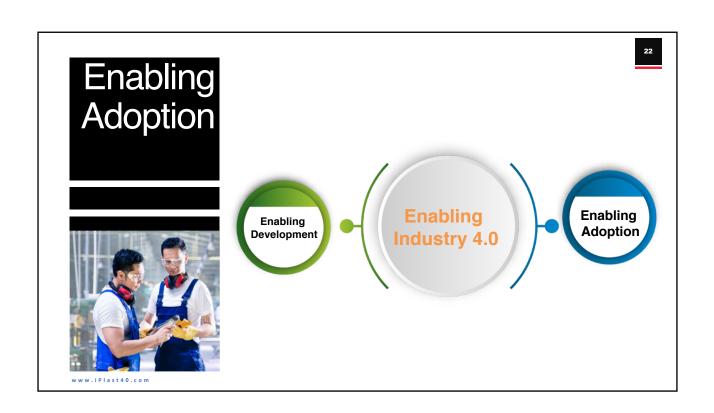




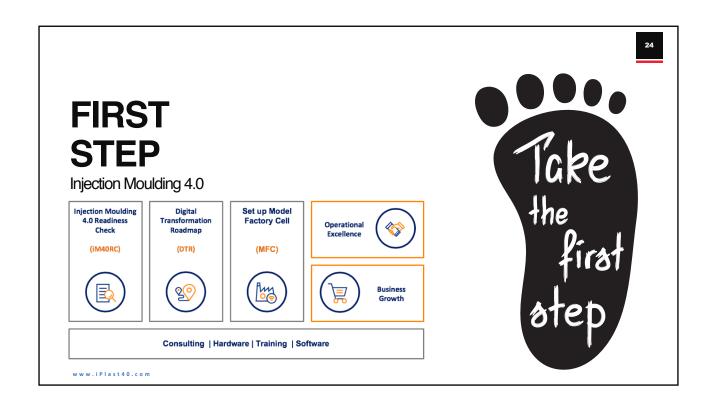




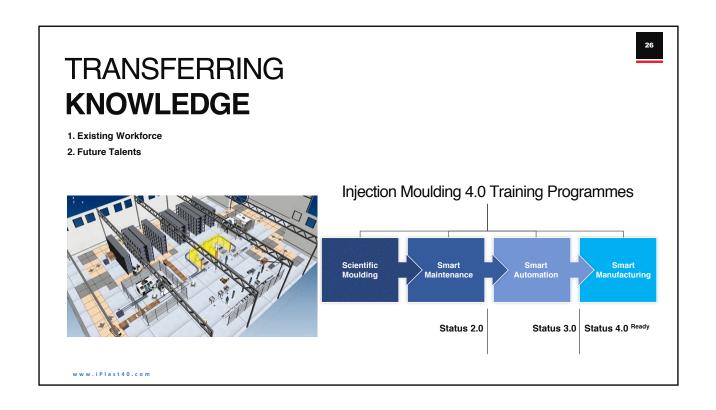


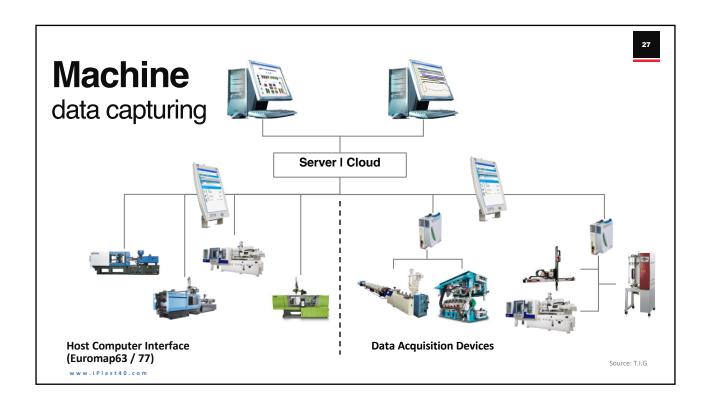


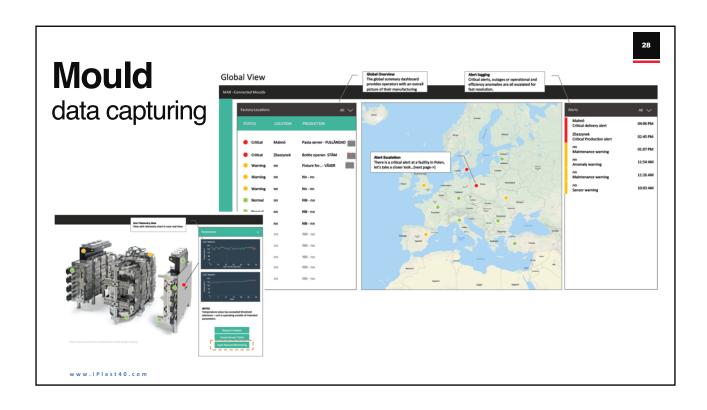


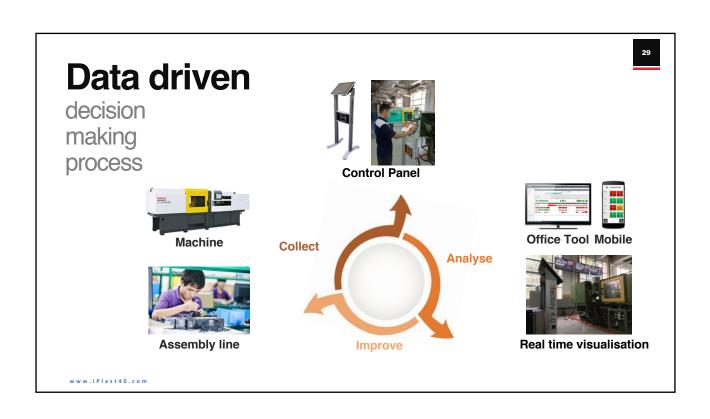


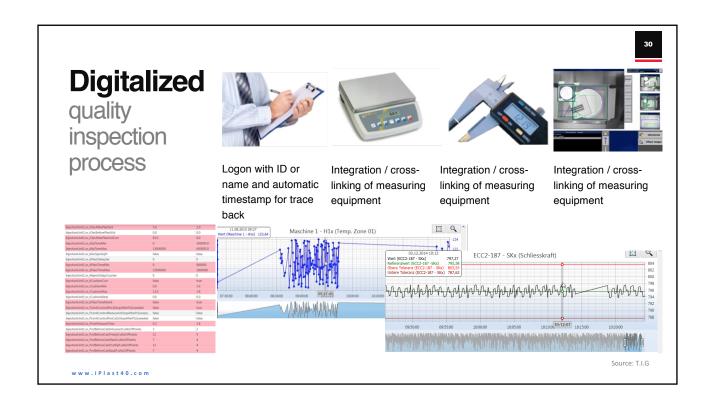
















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## Make injection moulding

## sexy

again



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- 1. Set up a "Smart Moulding Factory" according to the German "Industrie 4.0" concept.
- 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.

# Case study 1

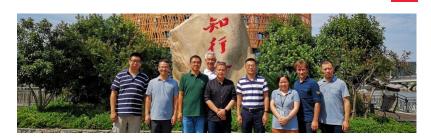






#### Stakeholders

- 1. Ningbo Supu Electronics
- 2. Ningbo University of Technology (NBTU)
- 3. iPlast 4.0

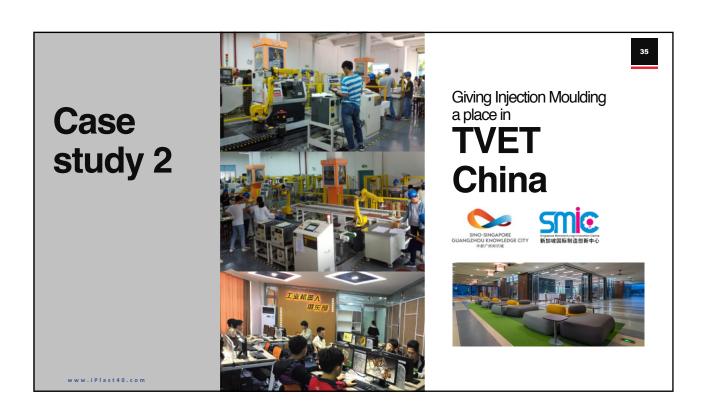


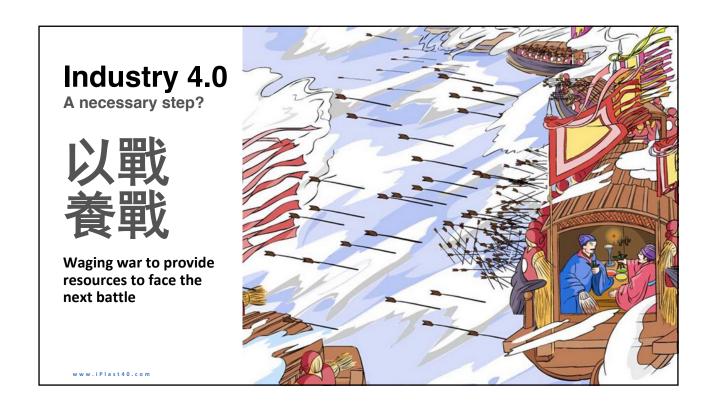
### **Project Scope**

- 1. 8 students
- 2. Promotion and Selection
- 3. Assessment
- 4. Training (6 months program)
- 5. Examination
- 6. Selection and Placement

Starting Salary: RMB5,000 (>42%) as compared to an average of RMB3,500

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## iPlast 4.0 Expert





**Anston TAN** Principal anston@i40.sg

Anston graduated with an Honours degree from Singapore's Nanyang Technological University in 1999. Over the course of the next two decades, he founded moulding factories in Europe and gained invaluable experience and insight into the plastics industries in Europe and Asia. He is also highly proficient in areas such as industrial process optimisation, production automation and turnkey factory design.

From 2001 to 2011, Anston led his company to become the second largest global plastic goods supplier to Sweden's foremost furniture and home furnishing company. Alongside the manufacturing business, he concurrently spearheaded the set up of a consulting arm to provide turnkey solutions to plastics companies in East Europe and Russia.

In 2014, with the emerging German Industry 4.0 concept, and building on his experience in Industry 3.0, Anston co-founded the German Training Centre for Injection Moulding (Asia), German Innovation Centre for Industry 4.0 (Asia) and the iPlast 4.0 people-centric smart manufacturing platform. He also created the Injection Moulding 4.0 development roadmap to implement smart manufacturing for numerous companies and is consequently now recognised as a pioneer in the field. Cementing this pioneer status, Anston is frequently invited to influential international conferences to speak on enabling Industry 4.0.

Today, Anston leads a global team of professionals and experts that has successfully enabled many Asian plastic moulders to embark on automated and digitised manufacturing, with the added benefit of raising their technical capabilities. He is also appointed by the Malaysian Plastics Manufacturers Association (MPMA) as their Lead Consultant for the Malaysian government's initiative to bring Industry 4.0 to the plastics industry.

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