Applied Tech Systems Ltd

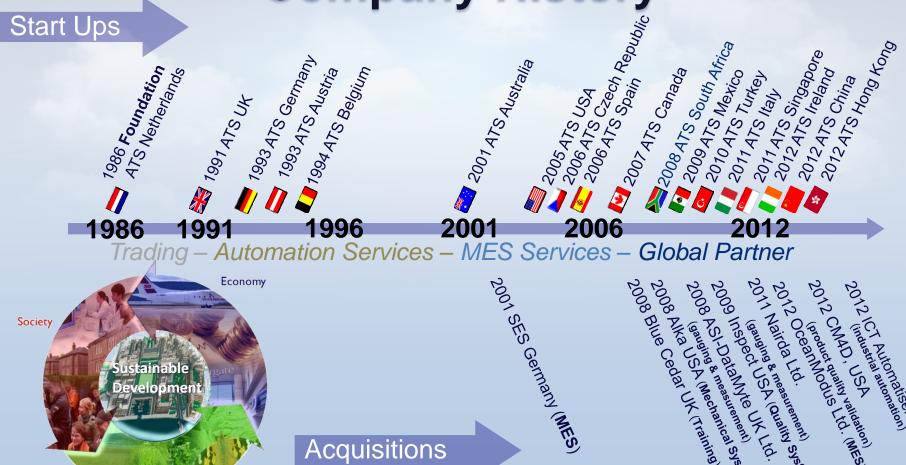


5 Critical Steps to becoming Industry 4.0 ready

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@ATS_UK_MK



Company History





Acquisitions



The Knowledge Partner



Control Technology



SCADA / HMI



Programming Languages



Quality, Lean, Six Sigma



Communication & Networks



Databases



Supply Chain Management

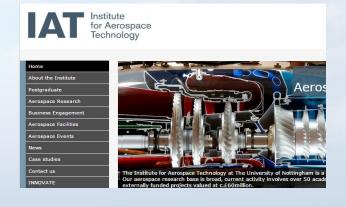


Manufacturing Execution Systems



ATS Innovation Partners







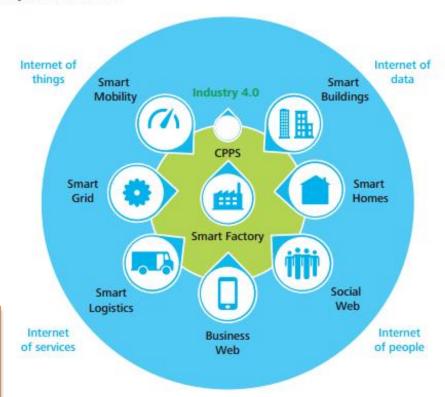




Industry 4.0 Concept

The Independent Solution Provider

Chart 2. The industry 4.0 environment²



"Most people overestimate what they can do in one year and underestimate what they can do in ten years."



5 Critical Steps to Industry 4.0

Mobile Devices



Applications



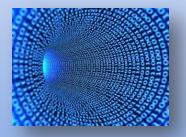
Friendly Security



Flexible Networks



Manageable Data



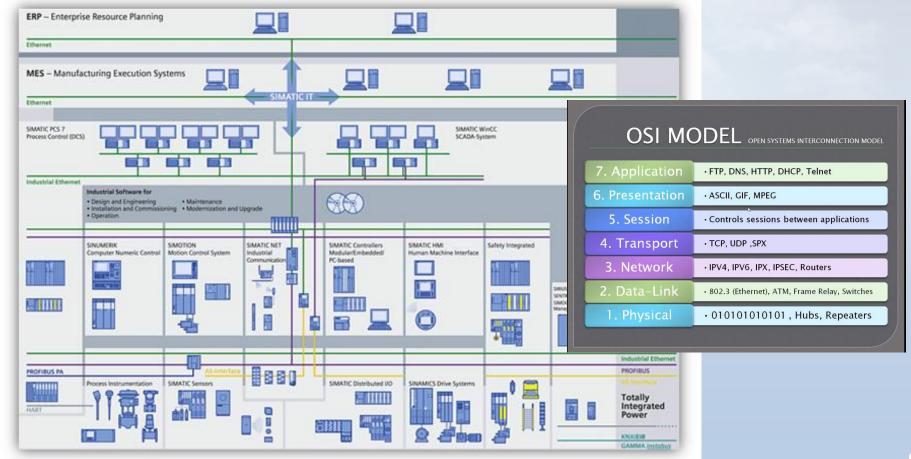


Flexible Networks - Analysis





Flexible Networks - Technical LANS





Mobile Devices

User Devices

Location Awareness

Controllers









Power to the mobile

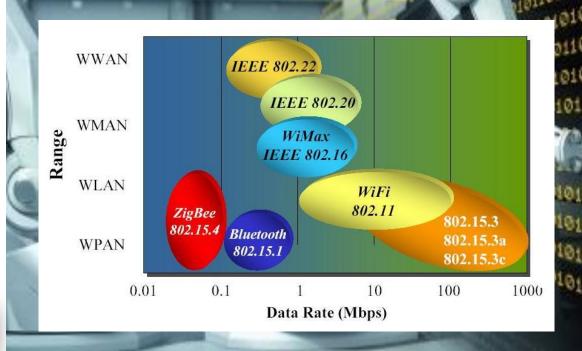
Mobile Devices – Mobile Networks







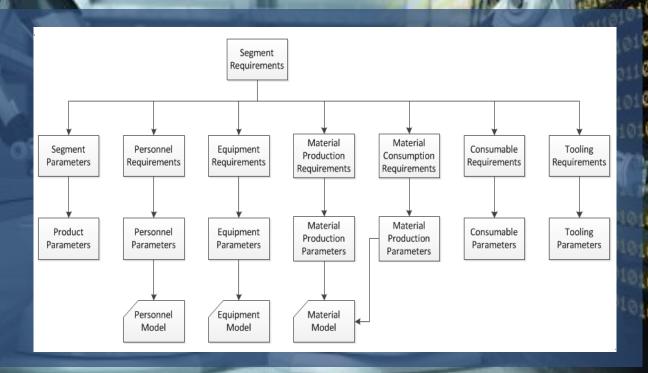






Industry 4.0 Data

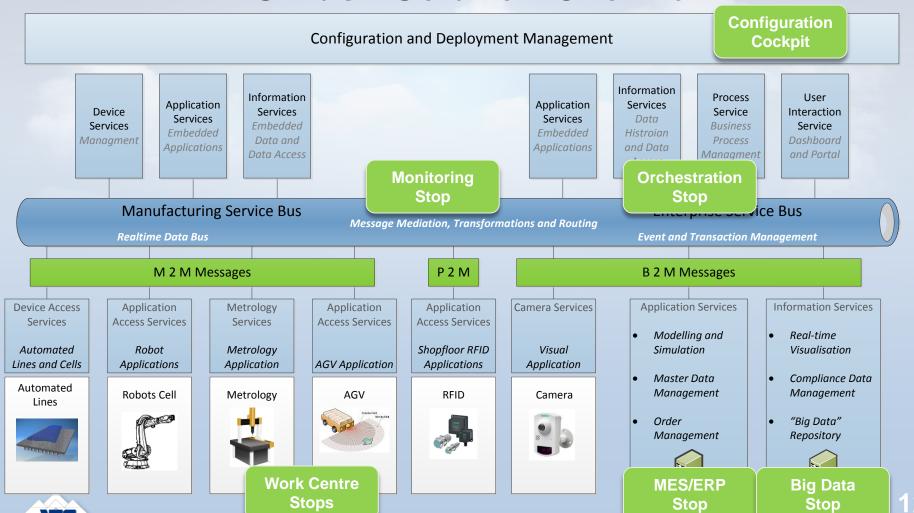
- Master Data
- Control Data
- Real-time Data
- Business Data
- Customer Data
- Compliance Data



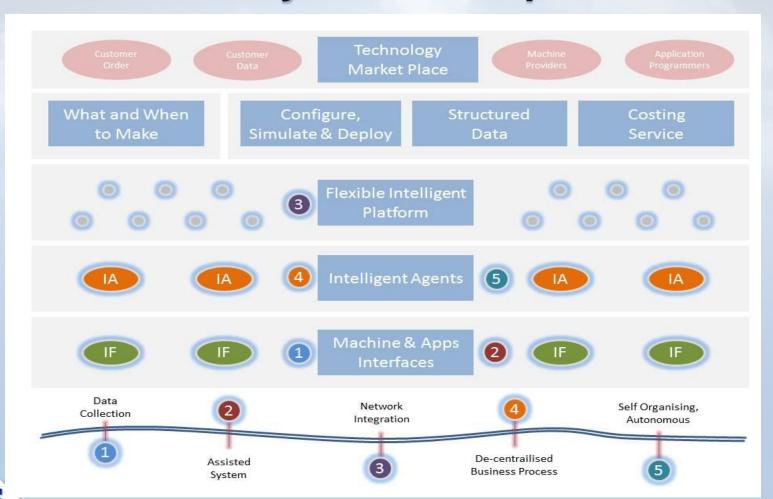
Isolated / Closed / Open System Configuration



ATS Bus - Solution Overview



Industry 4.0 Marketplace



What Does a "Fourth" Plant Look Like?

- Self-organising
- Machine to Machine (m2m) communication
- Product to Machine (p2m) communication
- Modular and flexible
- It will appear to work without people but the people will be the intelligence



Thank you

Mobile Devices



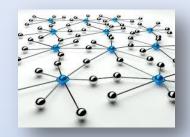
Applications



Friendly Security



Flexible Networks



Manageable Data

