



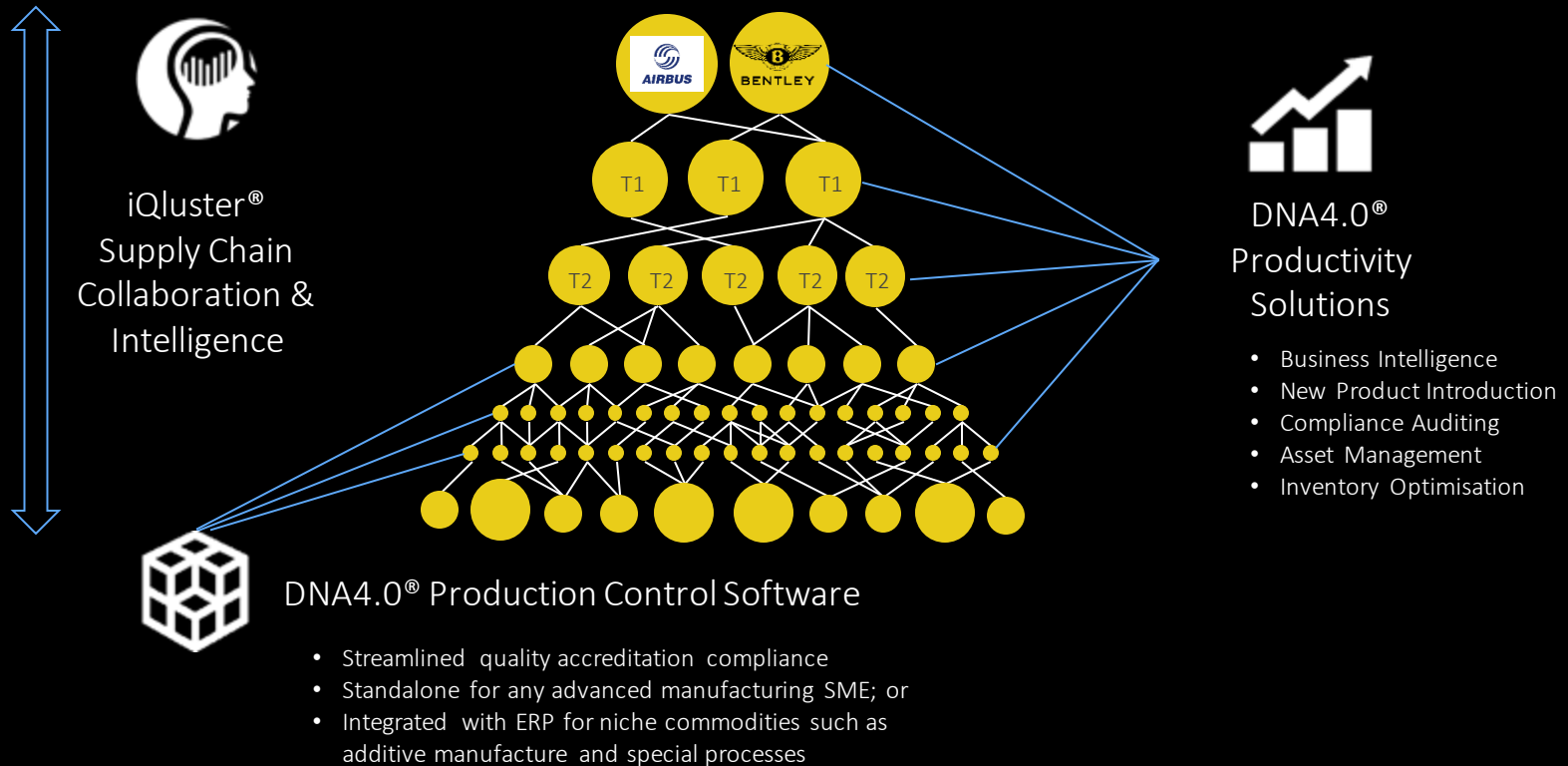
smart software to build  
world class supply chains

DNA4.0®  
connecting smart  
factories

iQluster®  
connecting smart  
supply chains

#connectambitions

# End-to-end Collaboration & Intelligence



...smart manufacturing software to build world class supply chains

# Company Overview



- Technologies originated from PhD research in smart factories & supply chain collaboration



- Secured €3.2m Horizon 2020 Project – Data Integrated Supply Chain Optimisation



- Multi-award winning technology innovator focused on manufacturing & supply chain excellence



- Innovation & Commercial Teams in UK (31), Development in China (25), Data Science in India (8)



- >500 global manufacturing clients from primes to niche SMEs



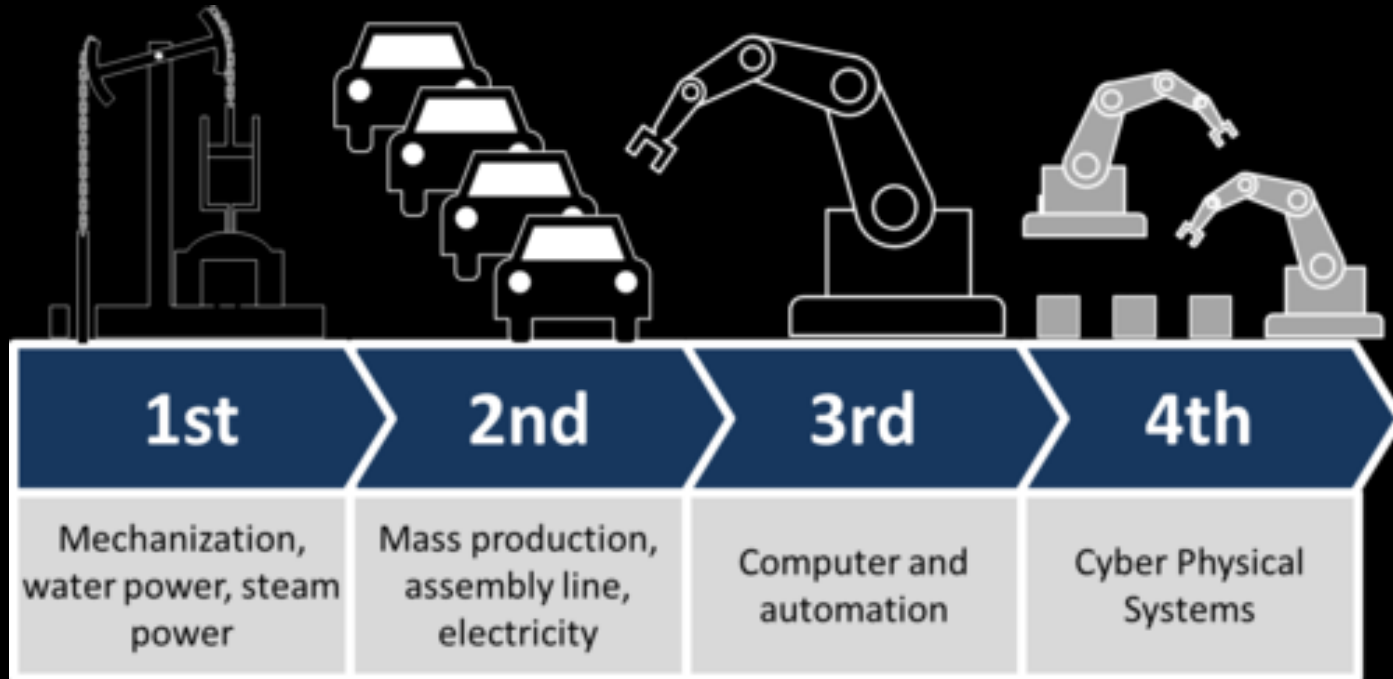
**BAE SYSTEMS**



**Rolls-Royce**



# What is Industry 4.0?



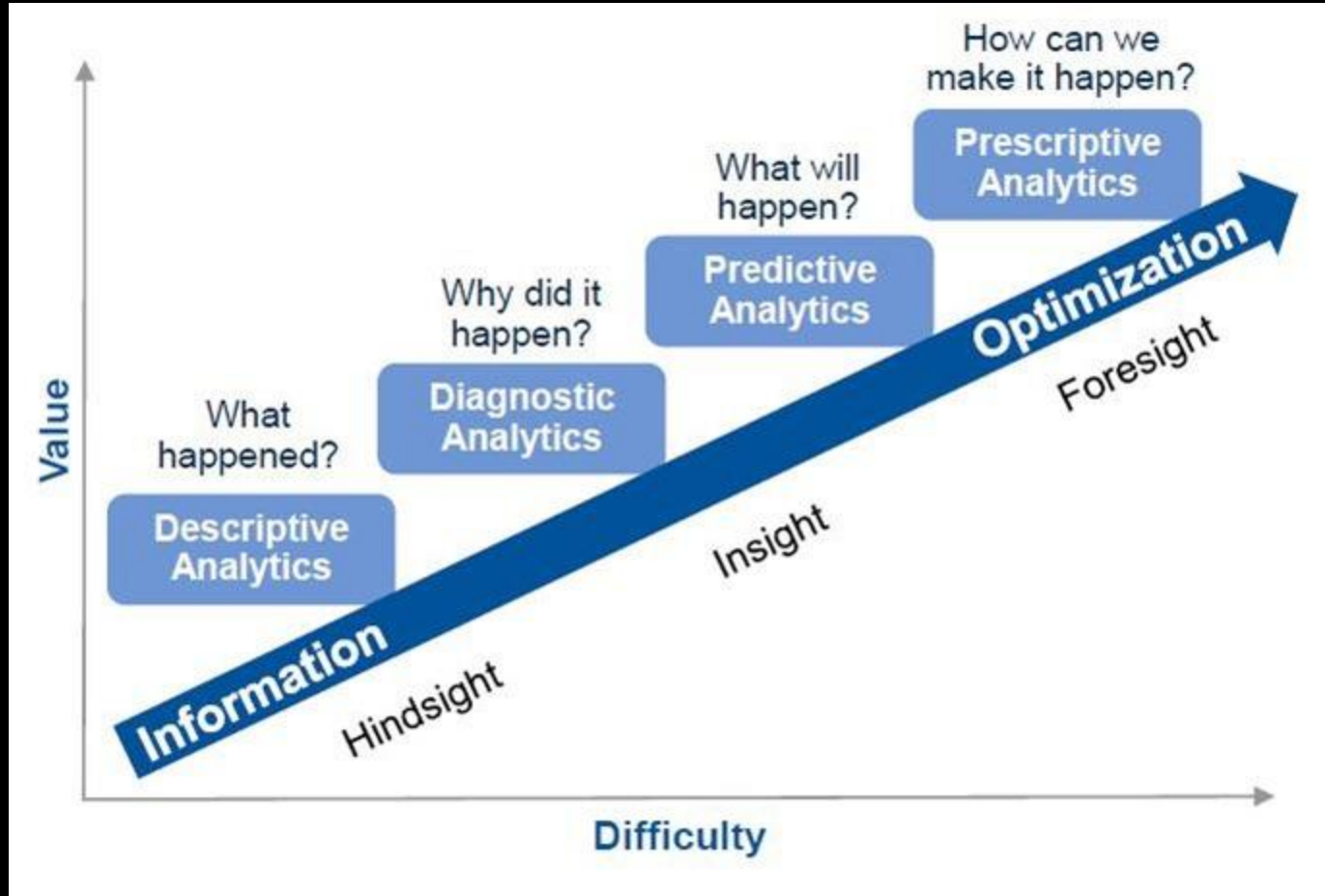
**Industry 4.0** is the current trend of automation and data exchange in manufacturing technologies

...smart software to build world class supply chains

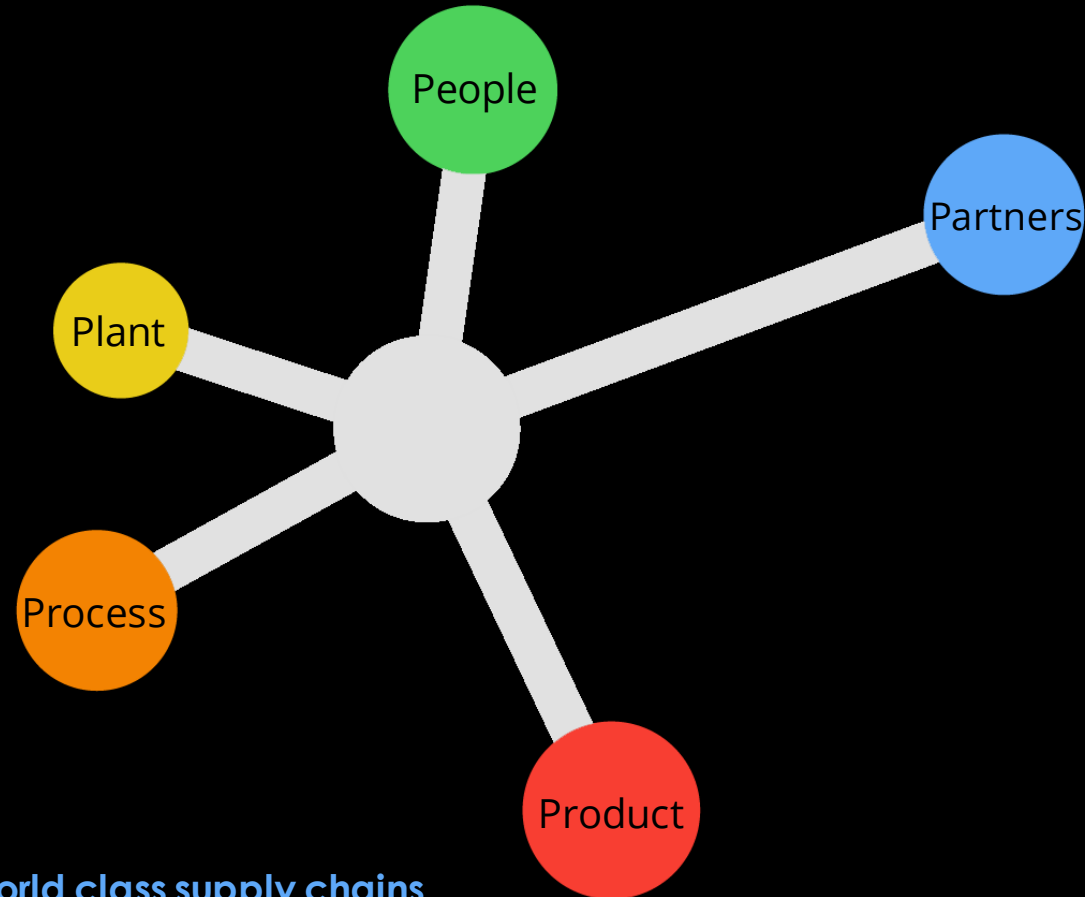
# What is Big Data?



# Big Data Analytics

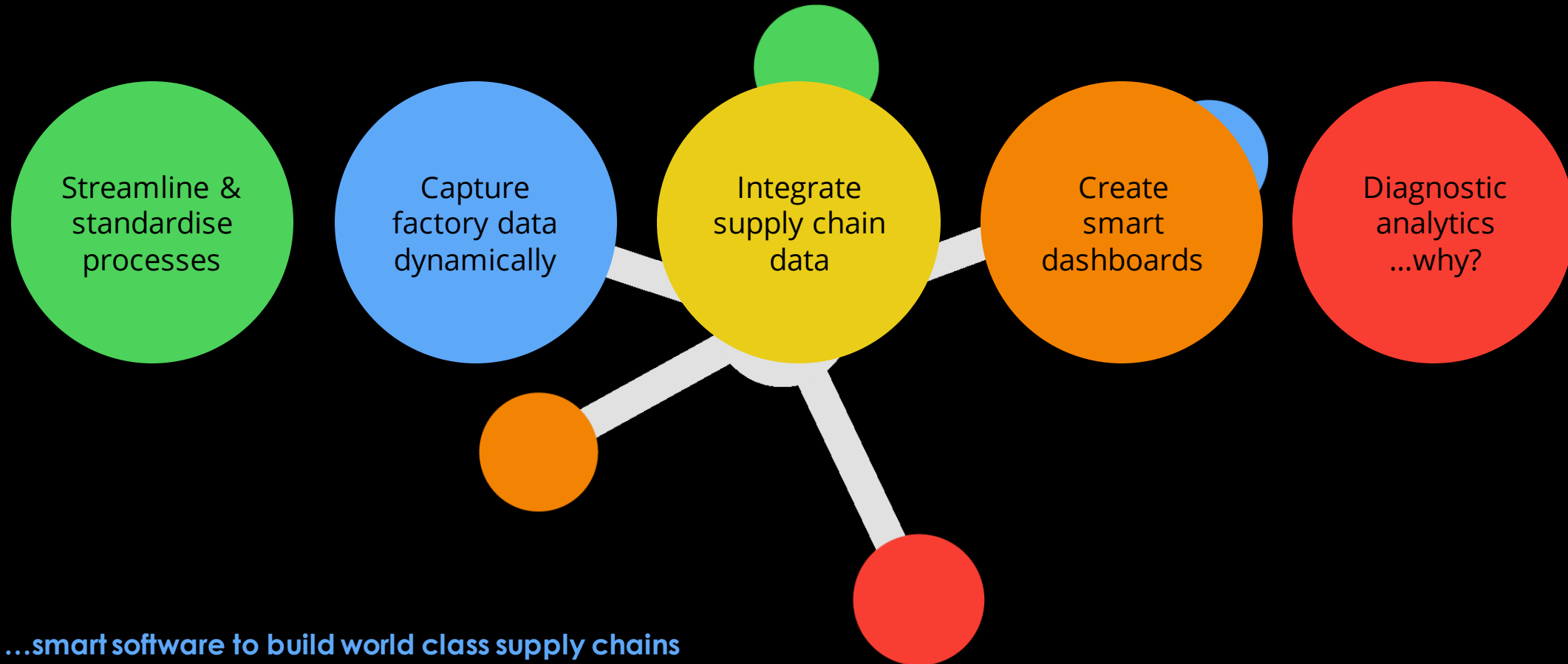


# 4IR Building Blocks



...smart software to build world class supply chains

# 4IR Priorities





# Connect Smart Factories

- Define goals and priorities
  - Identify bite size chunks with quick wins
- Capture data from plant, people, processes, products
  - plant integration, OEE analysis, TPM & calibration mgt
  - Consolidate compliance audits, continuous improvement, innovation & corporate learning
  - Map, streamline and integrate disparate systems
  - \*\* automate data capture & visualisation to create capacity for change\*\*
- Streamline information flow
  - Map AS-IS / TO-BE decision flows e.g. NPI, tendering, project & capacity planning
  - Define standardised workflow & mgt by exception / escalation processes
- Diagnostic Analytics and Corporate Learning – ‘lessons learned vs lessons logged’
  - Capture root cause analysis – e.g. why not started right? Why did we lose money?
  - Automate personalised smart dashboards - Right data, in right format, to right people, at right time, to make right decisions

# Connect Smart Supply Chains



- Define goals and priorities
  - Identify bite size chunks with quick wins
- Streamline Supply Chain Communication & Collaboration
  - Multi-tier supply chain mapping
  - Capture Supplier intelligence – capability, approvals, capacity, performance, status
  - VMI / performance management / tendering / NPI
  - \*\*streamline communication, manage by exception & create capacity for change\*\***
- Establish collaborative customer portal
  - Share selected operational, technical and commercial data securely
  - Integrate with CRM

**...smart software to build world class supply chains**

The building blocks for Industry 4.0



Precision Surface Engineering for Aerospace & Defence



**About Us**  
SPL

**Processes**  
Our Capabilities

**Quality &  
Approvals**

**Environment**  
Our Commitment

**Contact**  
Get In Touch

**Why SPL**



- **Privately owned with 90 years experience in metal finishing**
- **28 employees**
- **Based in Sheffield**
- **10,000 sqft operating facility with a further 10,000sqft development land**

**SUCCESS THROUGH EXCELLENCE**





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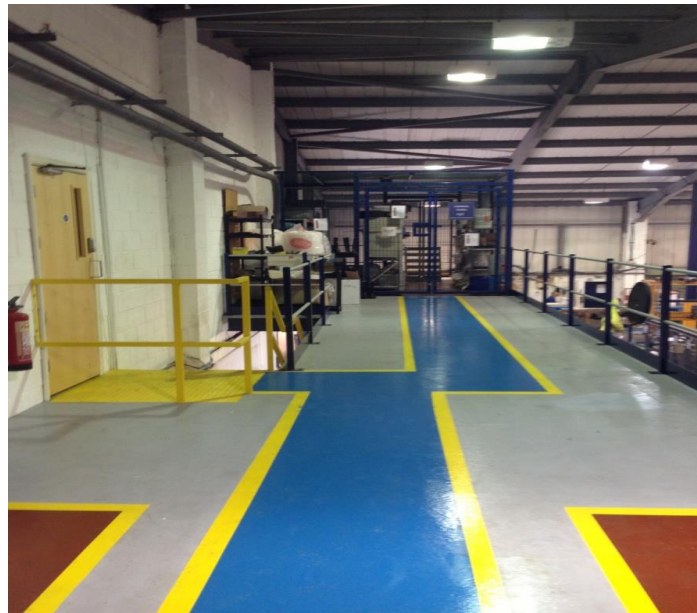
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**Why SPL**



- Established partnership with Valuechain in 2013 and implemented AeroDNA ERP to streamline, automate business processes & improve data integrity
- balance productivity, throughput & customer service levels
- capture & share business intelligence
- differentiate through customer transparency
- foundation and catalyst for growth

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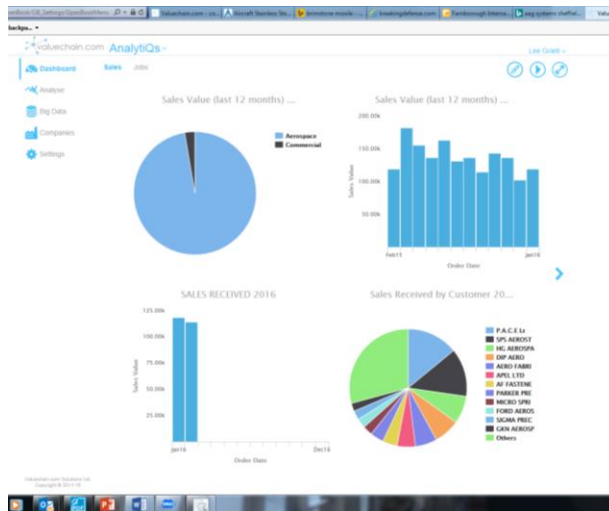
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**Why SPL**



- Real time information
- Performance reports
- Commercial reports
- Contract Analysis
- Secure Web based login
- Smart Customer Dashboards

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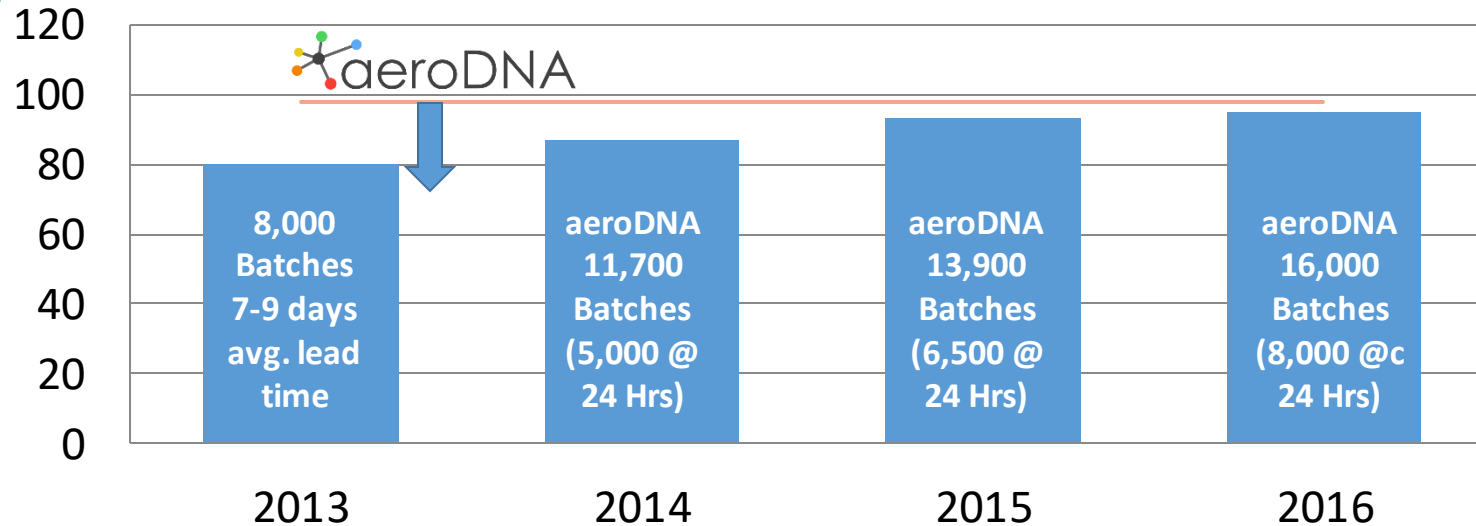
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Why SPL

## OTIF Promised Delivery

7-9 day average  
service level  
reduced to  
24 hours

Twice as  
many  
batches



50%  
increase in  
sales

Minimal  
increase in  
overhead

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**Why SPL**



**SPL - Stainless Plating Limited**

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