How Emerging Technology is Changing Supply Chain Management

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Your Presenters



Nitish Bahl

Director, Operations, Procurement and Supply Chain

Email: nitish.bahl@pwc.com

Profile Summary

- Nitish is an experienced supply chain leader with over 25 years of industry and consulting experience across manufacturing, mining, power and utilities, oil and gas industries
- Supporting clients achieve business and performance improvements through supply chain transformation, cost reduction programs, category management practices, contract management improvements, supplier management programs, and continuous improvement



Jamie Siu

Director, Operations, Procurement and Supply Chain, Operational Excellence

Email: Jamie.y.siu@pwc.com

Profile Summary

- Jamie has over 13 years of blended consulting and industry experience in the areas of Supply Chain and Procurement transformation, operational excellence and Lean, business process improvement, and project management across multiple countries, sectors and categories.
- She leverages her Supply Chain and Procurement and Operational Excellence and Lean experience to help clients identify a focused area of improvement opportunities with sustainable benefits and savings.

Topics

	Торіс
01.	Journey to Industry 4.0
02.	Digital Levers for Procurement
03.	Preparing for the Future

01. Journey to Industry 4.0

Progress from Industry 1.0 to 4.0



First Industrial Revolution Introduction of mechanical production equipment using steam engine (late 1700s)



Third Industrial Revolution Use of electronics and IT to automate production (1960s/1970s)



Second Industrial Revolution

Mass production based on division of labor, and use of electrical energy (early 1900s)



Fourth Industrial Revolution Internet, mobile computing etc. (post 2000)

Industry 4.0 allows conventional industries to adopt digital technologies

Embedding of Industry 4.0 in the technological evolution



02. Digital Levers for Procurement

Six digital levers in the context of Procurement



✓ Included in this presentation PricewaterhouseCoopers LLP





Digital technologies will boost Procurement's value creation mainly through collaboration & analytics

Example of "Collaborative Approach" Process: Procurement with OEMs and EPC



*Engineering, Procurement and Construction Management Source: Strategy& Analysis

1 2 3 4 5 6 Digital supplier management





FXAM

Enriched procurement value proposition

A digital Procurement platform provides Procurement services to key suppliers and customers





03. Preparing for the future

Addressing today's challenges

Today's Challenges



Looking forward, successful businesses will...

- Go beyond just data, generate insights Use data analytics to understand customers, market trends, track usage patterns, predict failures etc.
- **Improve, standardize, and automate** processes to reduce internal cost to serve
- **Contract effectively** to get best value and manage risk in the changing digital landscape
- Embrace technology to support business e.g. application of sensors, drones, machine learning, 3D printing etc.
- Develop right skills internally and explore partnerships to meet new digital needs

What can you do to prepare for the future?



Thank You