

Industry 4.0: The Industrial Internet of Things

By Alasdair Gilchrist

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Explore the current state of the production, processing, and manufacturing industries and discover what it will take to achieve re-industrialization of the former industrial powerhouses that can counterbalance the benefits of cheap labor providers dominating the industrial sector. This book explores the potential for the Internet of Things (IoT), Big Data, Cyber-Physical Systems (CPS), and Smart Factory technologies to replace the still largely mechanical, people-based systems of offshore locations.

Industry 4.0: The Industrial Internet of Things covers Industry 4.0, a term that encapsulates trends and technologies that could rewrite the rules of manufacturing and production.

What You'll Learn:

- Discover the Industrial Internet and Industrial Internet of Things
- See the technologies that must advance to enable Industry 4.0 and learn what is happening today to make that happen
- Observe examples of the implementation of Industry 4.0
- Apply some of these case studies
- Discover the potential to take back the lead in manufacturing, and the potential fallout that could result

Who This Book is For:

Business futurists, business strategists, CEOs and CTOs, and anyone with an interest and an IT or business background; or anyone who may have a keen interest in how the future of IT, industry and production will develop over the next two decades.

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Editorial Review

Review
“In this framework, Alasdair Gilchrist tries to show the state of the art of Industry 4.0. … it is a good starting point for those readers wishing to be introduced to the world of smart factories.” (Francisco Rodriguez-Diaz, Computing Reviews, February, 2017)

From the Back Cover

Explore the current state of the production, processing, and manufacturing industries and discover what it will take to achieve re-industrialization of the former industrial powerhouses that can counterbalance the benefits of cheap labor providers dominating the industrial sector. This book explores the potential for the Internet of Things (IoT), Big Data, Cyber-Physical Systems (CPS), and Smart Factory technologies to replace the still largely mechanical, people-based systems of offshore locations.

Industry 4.0: The Industrial Internet of Things covers Industry 4.0, a term that encapsulates trends and technologies that could rewrite the rules of manufacturing and production.

- What are the Industrial Internet and Industrial Internet of Things
- Which technologies must advance to enable Industry 4.0
- What is happening today to make that happen
- What are examples of the implementation of Industry 4.0
- How to apply some of these case studies
- What is the potential to take back the lead in manufacturing, and the potential fallout that could result

About the Author

Alasdair Gilchrist has spent his career (25 years) as a professional technician, support manager, network and security architect, and company director in the fields of IT, Data Communications, Mobile Telecoms and latterly Cloud/SDN/NFV technologies. He has project managed both agile SDLC software development as well as technical network architecture design. He has hands on technical experience in the deployment and integration of systems in enterprise, cloud, fixed/mobile telecoms, and service provider networks. He is therefore knowledgeable in a wide range of technologies from both a technical high-level and detailed technical design and implementation perspective. He is also conversant on best business practices, governance and compliance. Therefore, he likes to write articles or books in the business or technology fields were he feels his expertise is of value. He has published many articles to date.

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