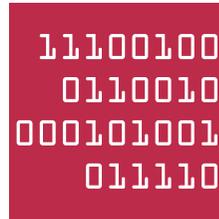
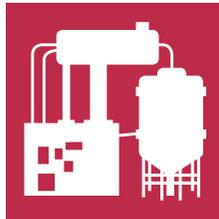


LISTEN.
THINK.
SOLVE.®

Preparing for the Industrial IoT

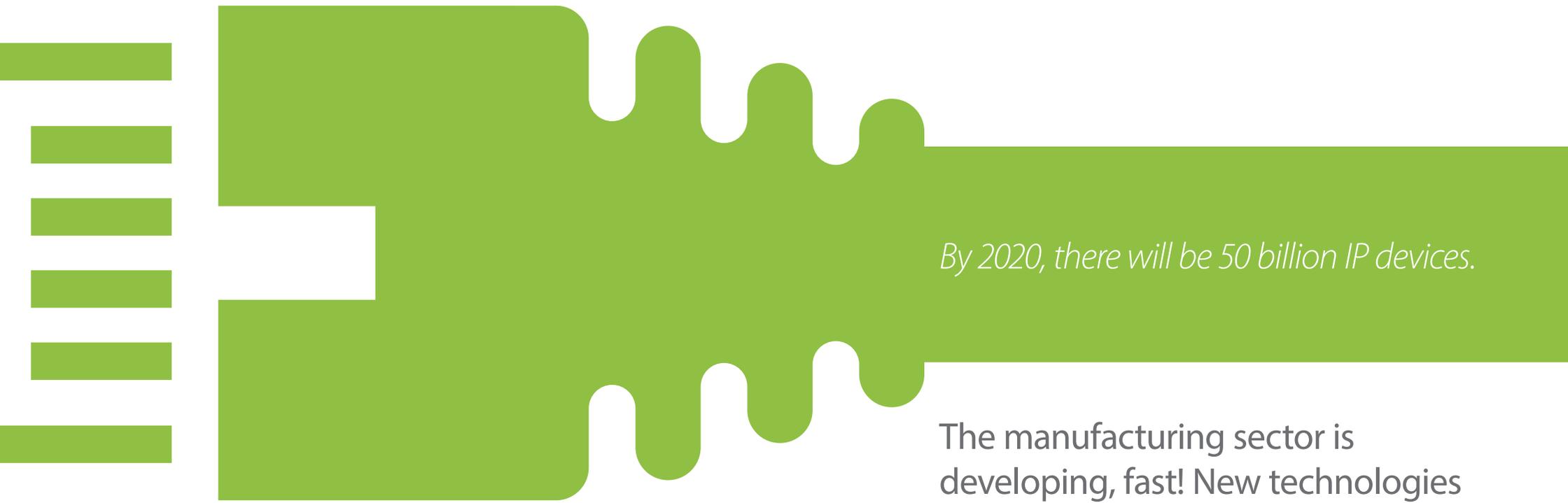
Why the convergence of IT and OT skillsets is essential for the future of the Industrial IoT.



**Rockwell
Automation**

 Allen-Bradley • Rockwell Software

The Evolution of Manufacturing



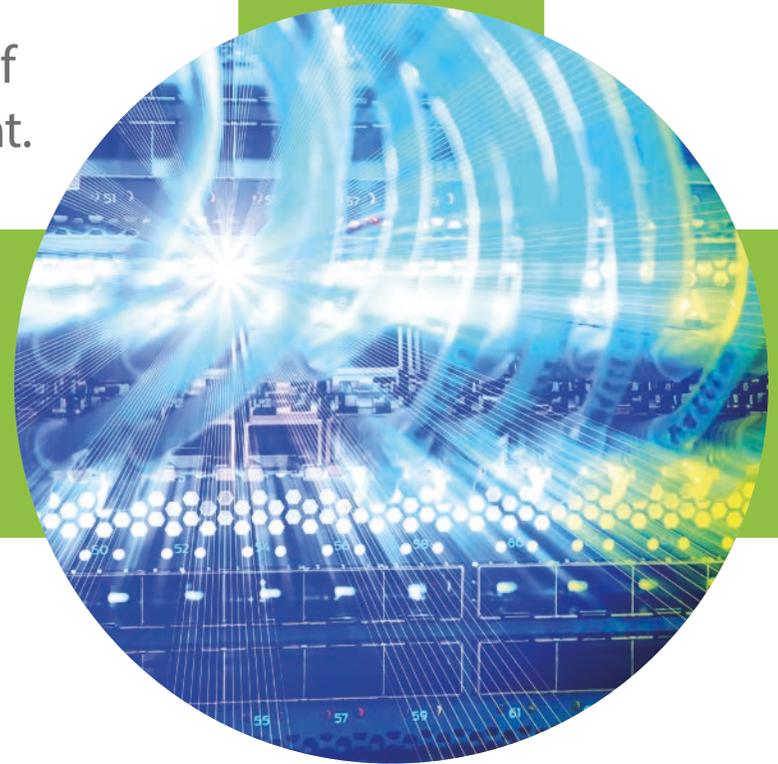
By 2020, there will be 50 billion IP devices.

The manufacturing sector is developing, fast! New technologies are creating internet-connected networks within plants and enterprises across the globe.

The Evolution of Manufacturing

This is enabling the industry to push the boundaries of productivity and drive improved return-on-investment.

Internet-connected devices in industrial automation will increase more than fiftyfold from 2012 to 2025.





A Manufacturing Skills Shortage

84% *of manufacturing executives believe they are facing a significant talent shortage.*

With this change, manufacturers are regularly struggling to make the most of the information collected by modern technology.

In 2010 the manufacturing sector stored two exabytes (2 Billion Gigabytes!) of data but lacked the necessary personnel to extract maximum value.

Convergence of IT and OT



Finding employees who are skilled in both information technology (IT) and operations technology (OT) is a critical challenge.

220,000 IT and OT engineers a year are needed to effectively scale the Internet of Things (IoT).

Convergence of IT and OT

Both sides have an appreciation of one another's role but often fail to understand the difficulties involved in each discipline.



Convergence of IT and OT

This recognized divide creates significant recruitment issues as IT and OT converge and labor demands increase.



Introducing Cisco Certified Network Associate Industrial Training

Cisco CCNA is a globally recognized qualification that demonstrates individuals have the foundational skills to manage and administer networked industrial control systems.



Who is CCNA Industrial Training Aimed at?

Built specifically for plant administrators, control system engineers and traditional network engineers this training is designed to develop an improved understanding of the networking technologies throughout interconnected plants and enterprises.



Why CCNA Industrial Training?

With the convergence of OT and IT across manufacturing and industrial organizations, the CCNA Industrial certification path develops the necessary skills to design, manage and operate converged industrial networks.



Why CCNA Industrial Training?

In response to this evolving need, Rockwell Automation and Cisco have developed the Internet of Things courses to provide deeper analysis of industrial protocols.



Why CCNA Industrial Training?

Modern industrial protocol analysis covers
EtherNet/IP, wireless and security technologies,
and advanced troubleshooting.



The Benefits of CCNA Industrial Training



CCNA Industrial training offers both manufacturers and employees significant benefits

Employees can

- Diversify their skillset
- Widen employment options
- Develop their value to employers

Manufacturers can

- Make the most of their data
- Drive efficiency
- Generate improved return-on-investment

To achieve these objectives CCNA Industrial is an essential component in the development of a flexible and effective workforce.

85% of survey respondents see value in certification training for their chosen career path.

To learn more about the benefits of certification and how to access training, [click here](#)

Cisco Certified Network Associate Industrial training deliver benefits to both employers and employees. As IT and OT continue to converge it will be in the interest of both to work towards closing the imminent skill gap.

Rockwell Automation, Inc. (NYSE:ROK), the world's largest company dedicated to industrial automation, makes its customers more productive and the world more sustainable. Throughout the world, our flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

Follow ROKAutomation on Facebook, Twitter and Google Plus.      Subscribe to us on Youtube. Connect with us on LinkedIn.

PlantPAX, Integrated Architecture, Listen. Think. Solve., Motor Control Center, Total Cost to Design, Develop and Deliver, and PartnerNetwork are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication [INFO-BR001A-EN-P](#), supersedes 000000-00000_EN-P

Copyright © 2015 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.

KLINKMANN

САНКТ-ПЕТЕРБУРГ

tel. +7 812 327 3752
klinkmann@klinkmann.ru

МОСКВА

tel. +7 495 641 1616
klinkmann@klinkmann.ru

ЕКАТЕРИНБУРГ

tel. +7 343 287 19 19
klinkmann@klinkmann.ru

САМАРА

tel. +7 846 273 95 85
klinkmann@klinkmann.ru

УФА

tel. +7 347 293 70 04
klinkmann@klinkmann.ru

КИЕВ

tel. +38 044 495 33 40
klinkmann@klinkmann.kiev.ua

АЛМАТЫ

tel. +77779994825
klinkmann@klinkmann.kz

МИНСК

tel. +375 17 200 0876
minsk@klinkmann.com

HELSINKI

tel. +358 9 540 4940
info@klinkmann.fi

RIGA

tel. +371 6738 1617
info@klinkmann.lv

VILNIUS

tel. +370 5 215 1646
info@klinkmann.lt

TALLINN

tel. +372 668 4500
info@klinkmann.ee