

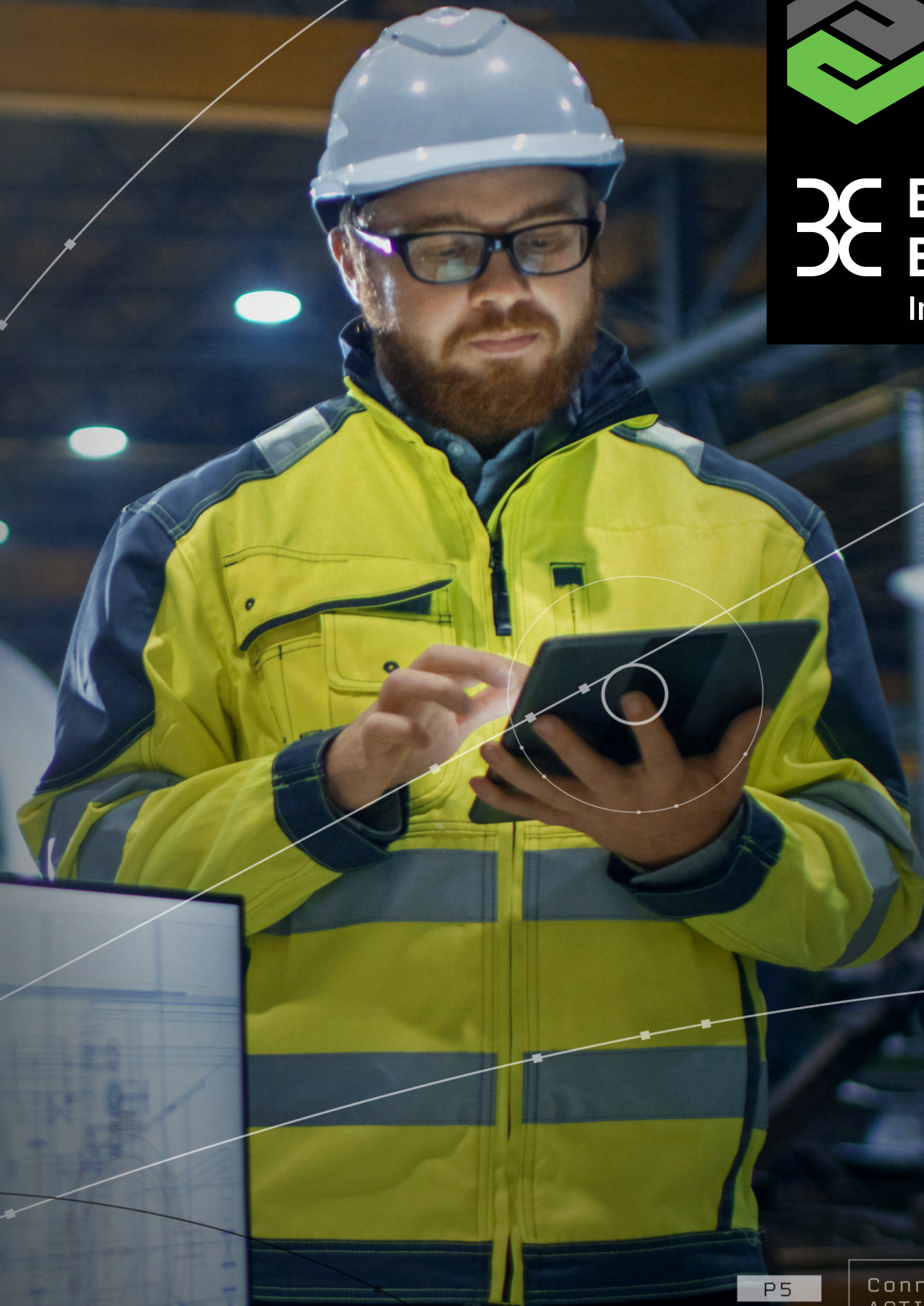
The End of Silos:

How Industrial Connectivity is Transforming Engineering

New IIoT technologies and digital processes are taking collaboration and innovation to new levels. The result has the potential to dramatically improve operational efficiencies, increase uptime, and rein in R&D costs.



**BOSTON
ENGINEERING™**
Imagine the Impact™



P5

Connection 02
ACTIVE

AREA COVERED AUTO
RELAY SIGNAL 12001 Mghz.

1

EXECUTIVE SUMMARY

New IIoT technologies and digital processes are taking collaboration and innovation to new levels. The result has the potential to dramatically improve operational efficiencies, increase uptime, and rein in R&D costs.

As an abstract goal, the Industrial Internet of Things (IIoT) paints an orderly picture of manufacturing. It offers a vision of the ideal state of equipment, security, and communication—all assets and processes seamlessly sharing data, sophisticated analytics programs streamlining production, and IT and Operations coordinating to make quick, data-driven decisions that improve the holistic production.

But that vision doesn't exactly match the true state of the industry.

In reality, most manufacturing plants are composed of a broad ecosystem of new and old equipment from a variety of vendors, all of which offer disparate functionality and different communication requirements.

Pulling all of that data together is vital for a true and effective IIoT implementation. It is an essential step of the digitization process that will actualize the efficiency and productivity gains promised by the IIoT—and determine the ROI on all the work involved.

However, pulling the data together can be extremely difficult. Without a solid data integration strategy, it can be impossible. As a result, many plants are left with "silent" or siloed assets on the floor that are unable to communicate with the broader IIoT network, which can drastically cut the effectiveness and returns of the digital transformation.

To fully realize the vision of IIoT, manufacturers first need to develop a strategy to fully connect their equipment ecosystems. From new and old, vendor to vendor, all equipment must share their data in a language the overall system can understand.

From approaches to integrating legacy data and achieving full data transparency to breaking down system and interdepartmental silos, this collection offers a rich resource of critical expert advice to help you get the most out of your implementation. With it, manufacturers can finally get off the digitization sidelines and begin their journey into the connected world of the Industrial Internet of Things. ●