

PRODUCT DEVELOPMENT IN THE ERA OF IOT: CONNECTED PRODUCTS CHANGE THE RULES

Today's smart, connected products have become a game changer for product development. The internet of things (IoT) is coming, and your products are more data-centric and involve more software than ever before. Best-in-Class firms succeed via IoT-enabled operations and the use of the digital thread/digital twins. Their toolkit for success also includes systems engineering techniques, PLM (product lifecycle management) as an innovation platform, APM (asset performance management), and agile software development methodologies.

**Best-in-Class
companies are:**

4.5x

more likely to implement software verification technologies

2.4x

more likely to develop a digital thread that ties together all phases of a product's lifecycle

2.3x

more likely to use existing analytics models for simulating systems behavior

42%

more likely to approach risk management through asset management / maintenance

**as compared to All
Others.**

→ Read the full report: [*Product Development in the Era of IoT: Tying the Digital Thread*](#), May 2017, Aberdeen Group

The bottom line: In the era of connected operations and products, the digital thread, and the digital twin, it is vital that your engineering processes don't hold you back. Product developers can look to the Best-in-Class for ways to excel in this new environment, through the smart use of systems engineering techniques. Other tools include PLM (as an innovation platform), APM, and agile software development methodologies.