

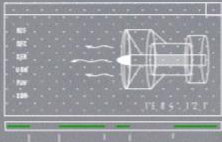
Digital Transformation

INNEO Interactive 2019

Richard Morrow

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AIRFLOW >>

COMPARISON OF THE CORE AND BYPASS FLOW TO THE PERFORMANCE OF THE ENGINE

100%

253.45

347.00

346.5





Connected
manufacturing and
service



Product performance
feedback and
traceability



Automated simulation,
artifact creation and
collaboration

**“Far more intense coordination
among functions is now required...
Customer relationships are
continuous and open-ended.”**

**“Smart, connected products are
transforming how companies
design, manufacture, operate and
service products ... to create and
capture value.”**

- Michael Porter, Jim Heppelmann, Harvard Business Review, October 2015

“Traditional product development processes will fail companies that seek to optimize product value and customer experiences through software enabled IoT products.”

– Nate Fleming,
Forrester



40%

of Top 100 discrete manufacturers plan to provide **Product as a Service** platforms

– IDC

51%

of research respondents who say IoT is critical to their **organization's future success**

– VDC Research

84%

of products (or more) from best-in-class manufacturers hit their revenue, cost, launch date, and quality targets using model based engineering

– Aberdeen

The Digital Thread

“Unleashing a seamless flow of data across the value chain that will link every phase of the product life cycle: from design, sourcing, testing, and production to distribution, point of sale, and use.”

– McKinsey

THREE STAGES OF TRANSFORMATION

The road to complete Digital Engineering transformation can be thought of as three distinct stages, building on each other in sequence:

Understand



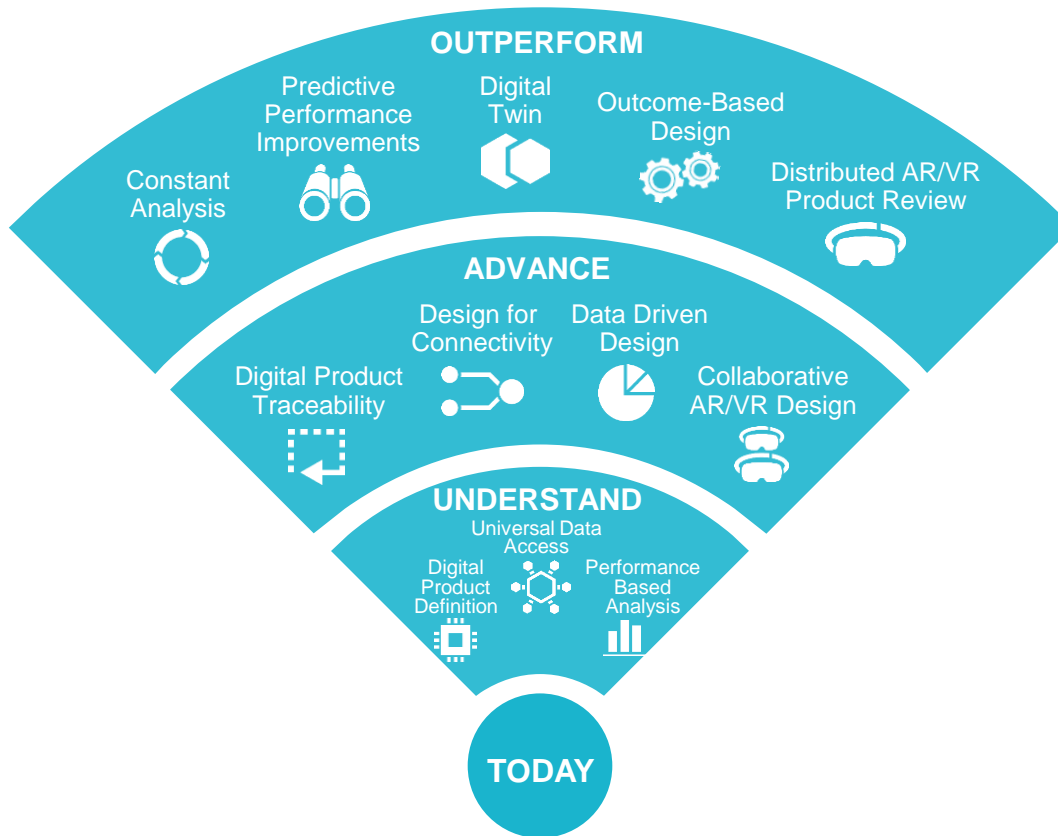
Advance



Outperform

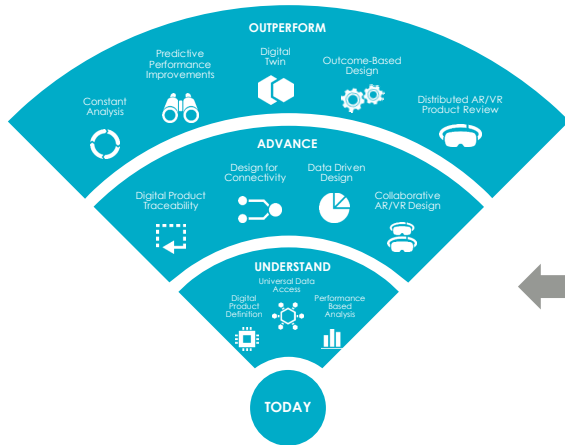


THREE STAGES OF TRANSFORMATION

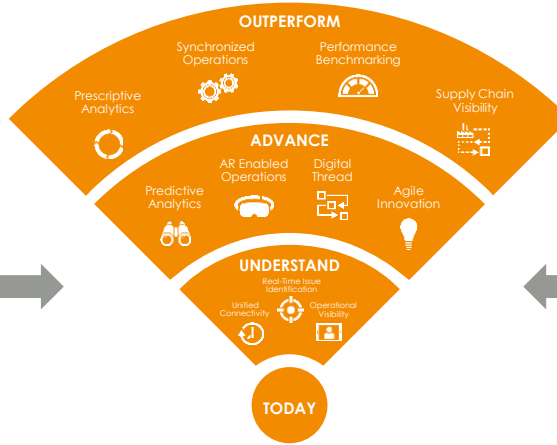


PRODUCT LIFECYCLE MANAGEMENT

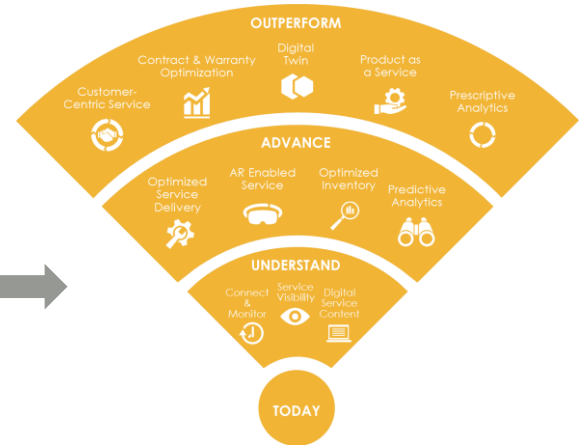
DIGITAL ENGINEERING



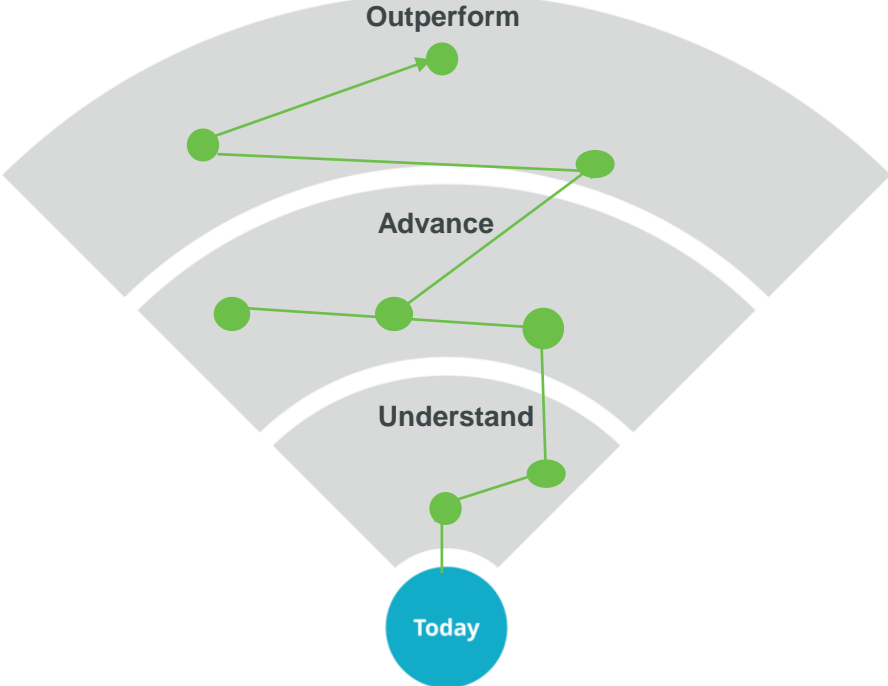
MANUFACTURING



SERVICE



HOW TO PLOT YOUR DIGITAL ENGINEERING JOURNEY



DISCOVER

PRIORITIZE

PLAN

How can INNEO Technical Services help?

Engineering Design Process Assessment

- Create and Automate

Product Development Process Assessment

- People<>Process<>Strategy
- Roadmap

INNEO Analysis Services

- Broad scope
- Business Change

CREATE



CONTROL



thingworx navigate™

EXPERIENCE

INNEO ViewR
VIRTUAL PROTOTYPING



REAL WORLD EXAMPLE - POLARIS





Thank you!