

**3D**EXPERIENCE®



## Strong growth in Core industry













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## **Core Industry: the Boeing Example**

# Boeing Extends Use of Dassault Systèmes to Include 3DEXPERIENCE Platform



#### **BOEING**

World's largest aerospace company and leading manufacturer of commercial jetliners and defense, space and security systems

#### **Business Values:**

Agreement spanning Boeing's Commercial Aircraft, Space and Defense divisions

- Adopting Dassault Systèmes Manufacturing Operations Management software
- Selecting 3DEXPERIENCE platform to connect virtual and real worlds

This decision was the result of a robust competitive selection process

Ramp-up starting in 2018

#### **Solution:**

 3DEXPERIENCE Platform with Winning Program, Co-Design to Target, Ready for Rate, Build to Operate and License to Fly Industry Solution Experiences

## **Solid wins in Diversification Industries**













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## **Diversification Industries: the Samsung Example**









- Human Genome Project costs around \$2.7B for the US gov.
  - Harvesting hydrogen in the Moon to power fuel cells in Earth could be a future energy solution
- DARPA created a hummingbird drone that looks and flies like the real thing and weighs less than an AA battery and carries a
- Ceramic armours were designed that are 30% lighter than existing equipment
- 4D printing is the next move after 3D printing: printed models will be able to change their properties at different time intervals
- By 2020, 22% of sensors will be image sensors and 14% will be biosensors
- Residential construction represents roughly 50% of the total value of US private construction infrastructure spending in 2016
- Industrial global spending on robotics is expected to reach \$24.4B by 2025
- After watching 5,000 hours of TV, Google's DeepMind AI was able to lip read 34% more accurately than a professional lip reader

## A PORTFOLIO OF INDUSTRY SOLUTION EXPERIENCES SERVING 12 INDUSTRIES



## Cross-Industry initiative as a source of new value creation

Connecting advanced technological capabilities and Intersecting industries, scenarios and solutions



## City The ultimate convergence





Cobots
Augmented human experiences

Value Chain
From Supply to Value chains



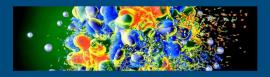


Cyber-Physical Systems
Mission-driven experience

#### Internet Of Experiences

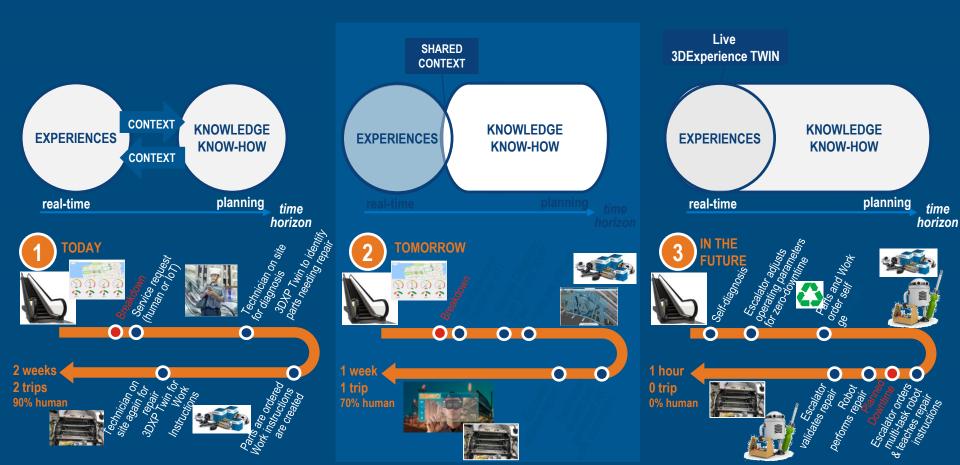
Continuous experience improvement



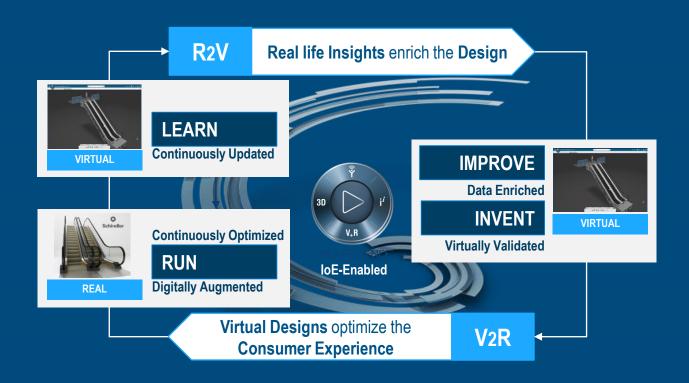


Materials
At the core of advanced innovation

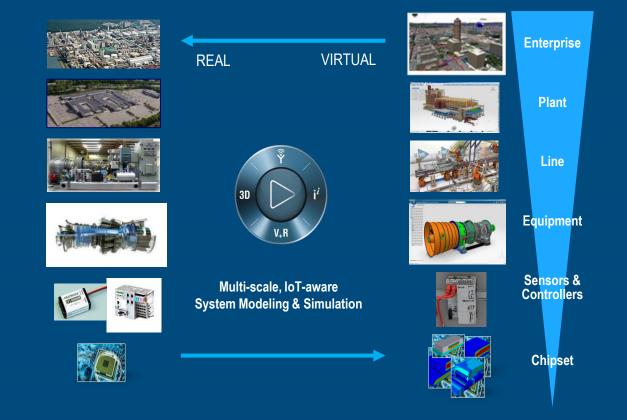
## **IoE** | bringing knowledge to real-time experiences



## IoE | What Are We Talking About



## Need for Abstraction Interfaces to bridge "Digital" and "Physical" @ multi-scale



## Successes are growth enablers











## **5** Themes of Digital Transformation





**Transparency across Domains** 

**Protection in Value Chain** 



Flexibility in Manufacturing & Supply

Digital Transformation



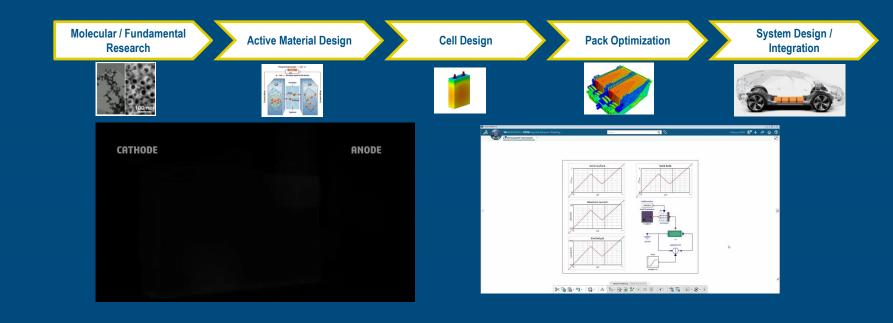
**New Customer Experience** 



**Operational Excellence** 

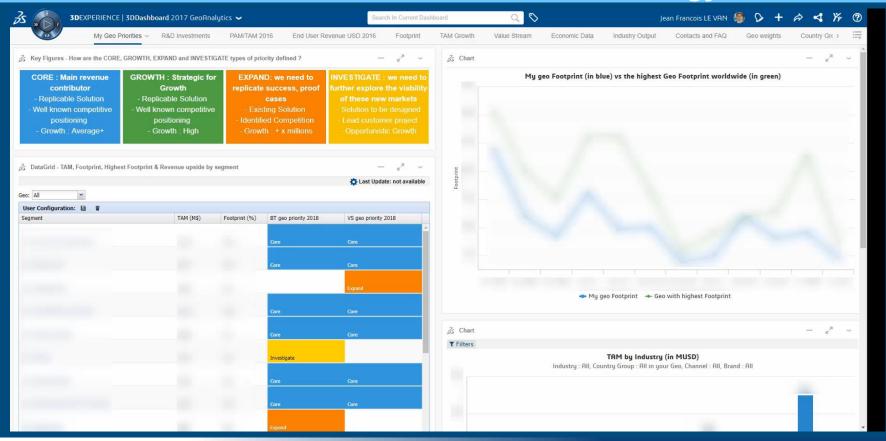


## 3DEXPERIENCE Platform: a Scientific Platform

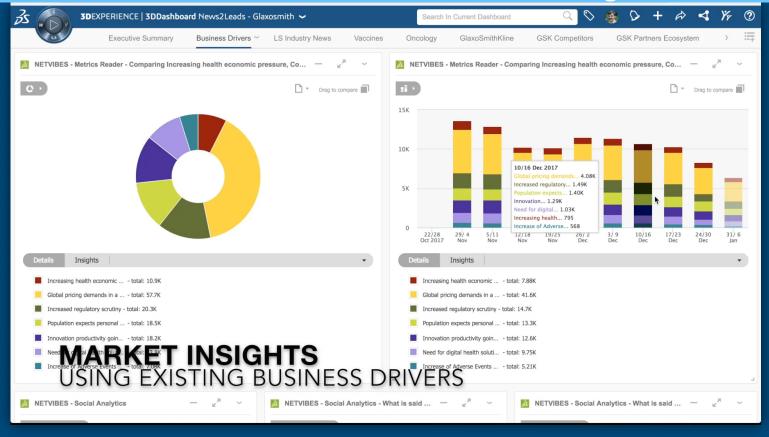


## Battery: multi-scale, multi-physics Design

## 3DEXPERIENCE Platform : Sales Strategy Tool



## 3DEXPERIENCE Platform : Market Insights Tool



## Dassault Systèmes : Business & Technology @ Scale



