

# Leading transformation

Tony Hemmelgarn

President and CEO

Siemens Digital Industries Software

**SIEMENS**

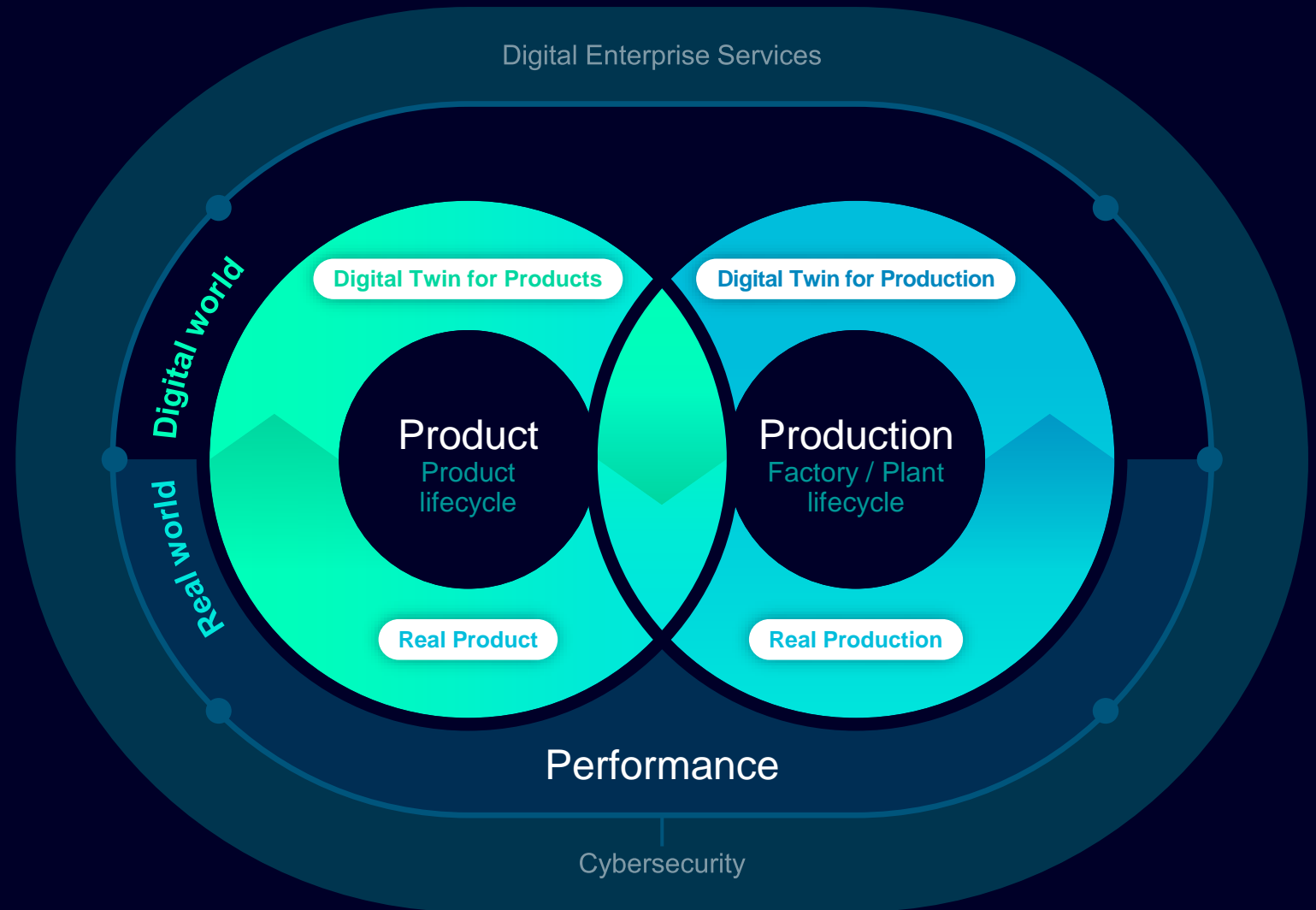
# Challenges for industry

## Tasks

- ☐ sustainability Overdue 📢
- ☐ transformation Due !
- ☐ technology Due !
- ☐ supply chain Due !
- ☐ compliance Due !
- ☐ talent shortage Due !
- ☐ skills gap Due !
- ☐ cybersecurity Due !
- ☐ infrastructure Due !
- ☐ integrated

## COMPREHENSIVE DIGITAL TWIN

# Combining the real and digital worlds



# Industrial metaverse





FREYR wants to scale their annual battery cell capacity. They want to do it extremely fast, and they want to do it sustainably.

**We make it real.**

Connecting design and manufacturing to scale up production in no time.



**SIEMENS**

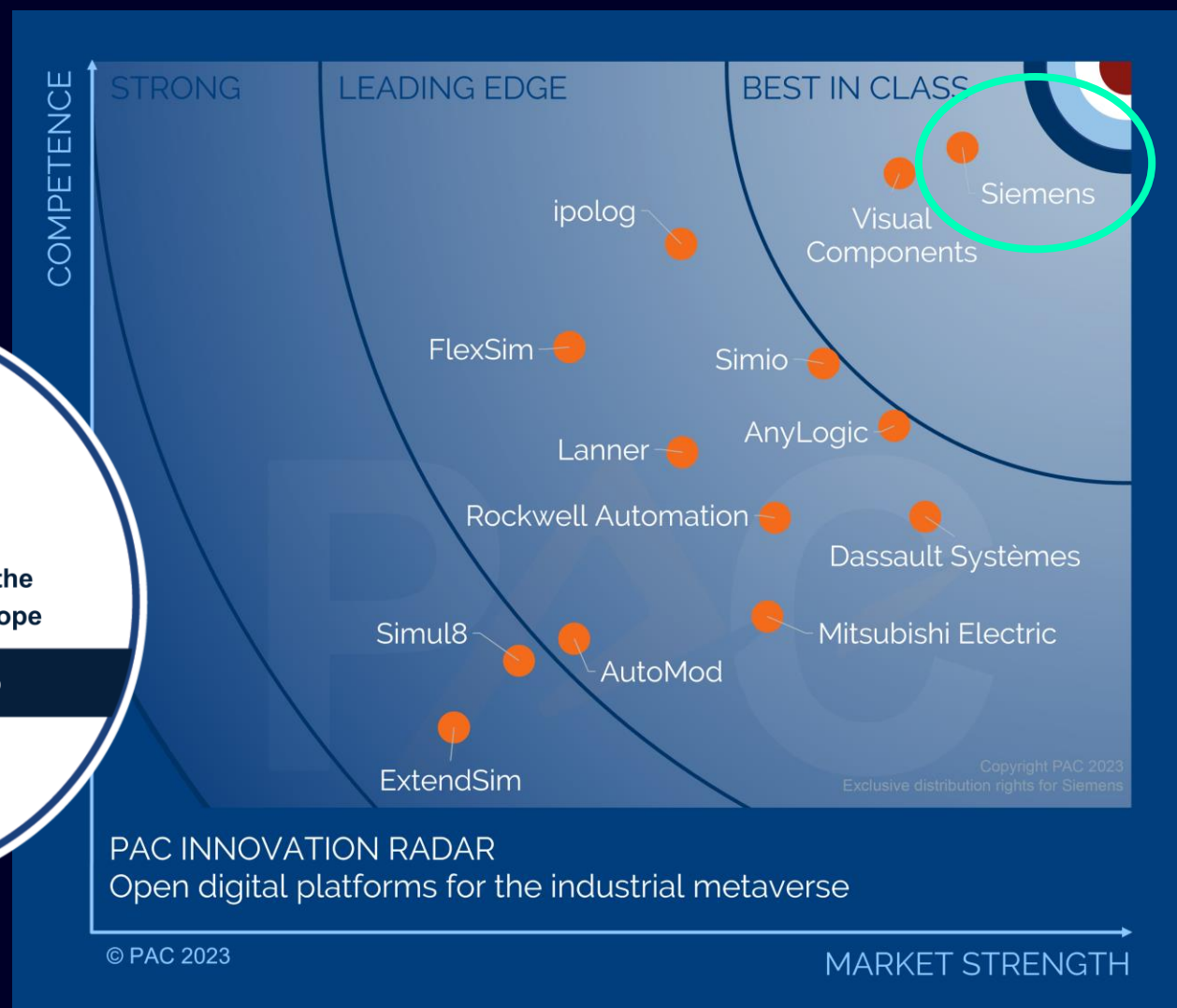
LOGIN

 Sign In

 FREYR

Teknowlogy Group's PAC RADAR report ranked Siemens

#1 in Industrial Metaverse





# Industrial Artificial Intelligence

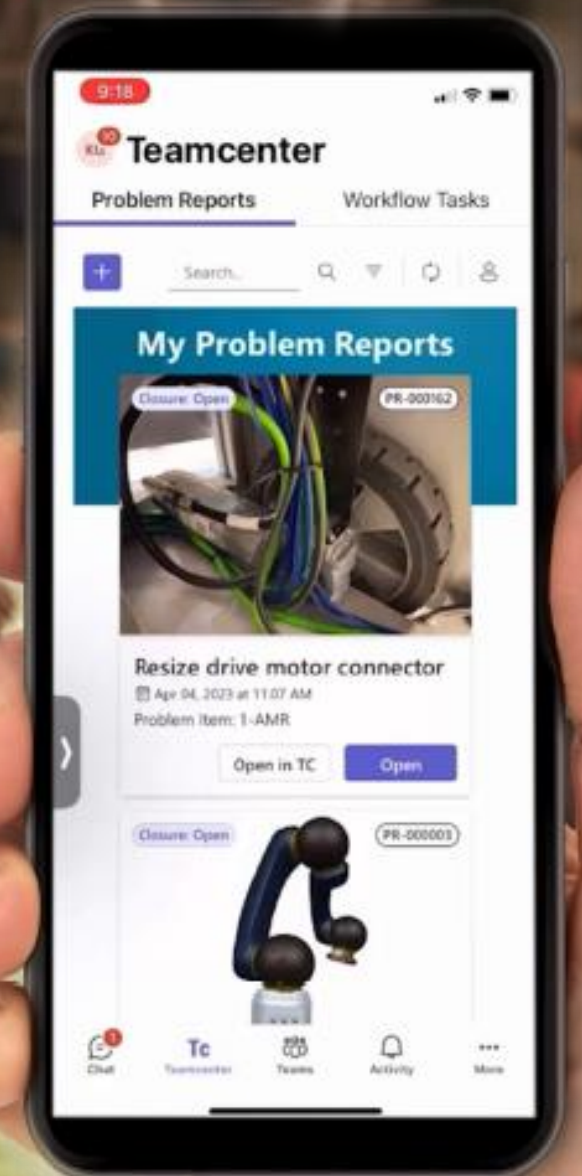


**SIEMENS**



**AI in design, simulation,  
planning and operations**

**Connecting people across  
distance, language and expertise  
to produce better products faster.**



**Teamcenter**



**Microsoft Teams**







**Problem Report sent**





Owner: Keith German (german)

Date Modified: 07-Apr-2023

Release Status:

Type: Problem Report Revision

Submit to...

Generate Report

Follow

Start Edit

▼ Task to Perform

Workflow: PR Process : PR-000003/A;1-Initial production test run in Malaysia factory failed with joint temperature alert C62A11 after soft

Name: Analyst: Reproduce the Problem

Task Instructions: Reproduce the problem, then enter how the problem was verified in the Verification field.

Comments:

Cannot Reproduce

More Information Required

Reproduced

▼ Description

Semasa ujian pengeluaran awal dijalankan di kilang Malaysia kami, suhu dalam adalah 26 Celcius dan kelembapan adalah 47%, kami menemui masalah dengan 000610 AMR kami menjalankan versi 3.13 kemudian menaik taraf kepada 3.14. Selepas men

► Details

► Projects

▼ Participants

Requestor:

List

Selection Mode

Select All

Export To...

Paste

Keith German (german)

▼ Progress

Closure: Open

Disposition: None

Elaborating

Reviewing

Executing

Complete

Ready

Superseded

▼ Problem Items

Compare




Selection Mode

Select All

Export To...

Paste

Add to

				
	0000573/A;1-eSeries Arm	0000610/A;1-AMR	003302/A;1-AMR Code 3.1.5	
Object	0000573/A;1-eSeries Arm	0000610/A;1-AMR	003302/A;1-AMR Code 3.1.5	
Type	Design Revision	Design Revision	Software Revision	
Release Status				
Date Released				
Owner	"003302/A;1-AMR Code 3.1.5" was added.			(man)

Solution sent

# Sustainability

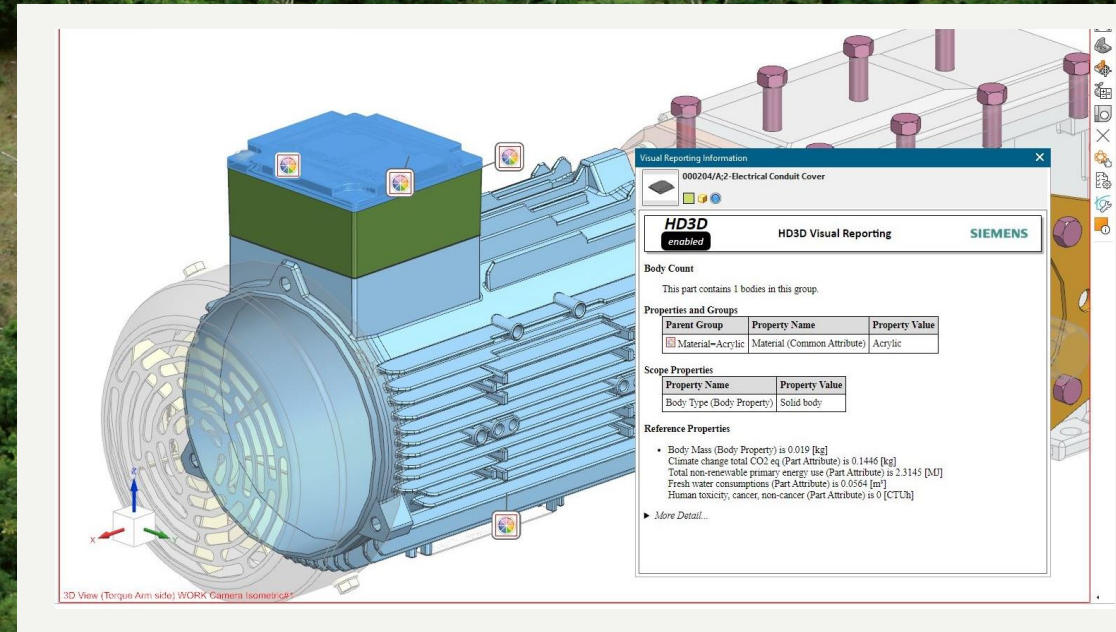
When 80% of a product's **environmental impact** is determined at the **concept phase**, digitalization across the product lifecycle is key.



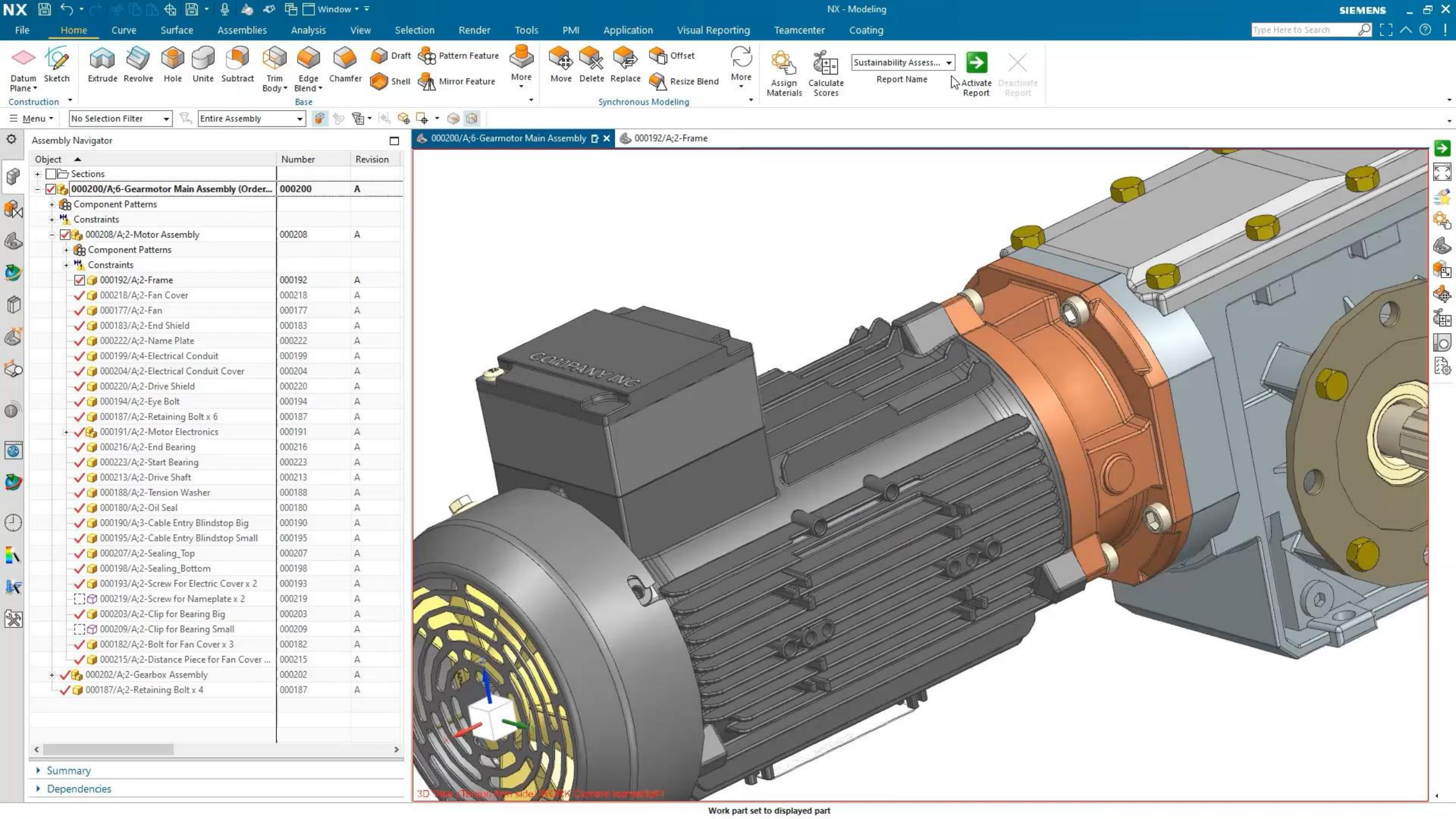


# Environmental impact at the heart of product design

New NX capability enables smart decisions  
based on accurate up-to-date data  
early in the design process.











## Leader in Aerospace & Defense

100%

US National security launch vehicles  
US submarines  
US aircraft carriers  
and manned space flights

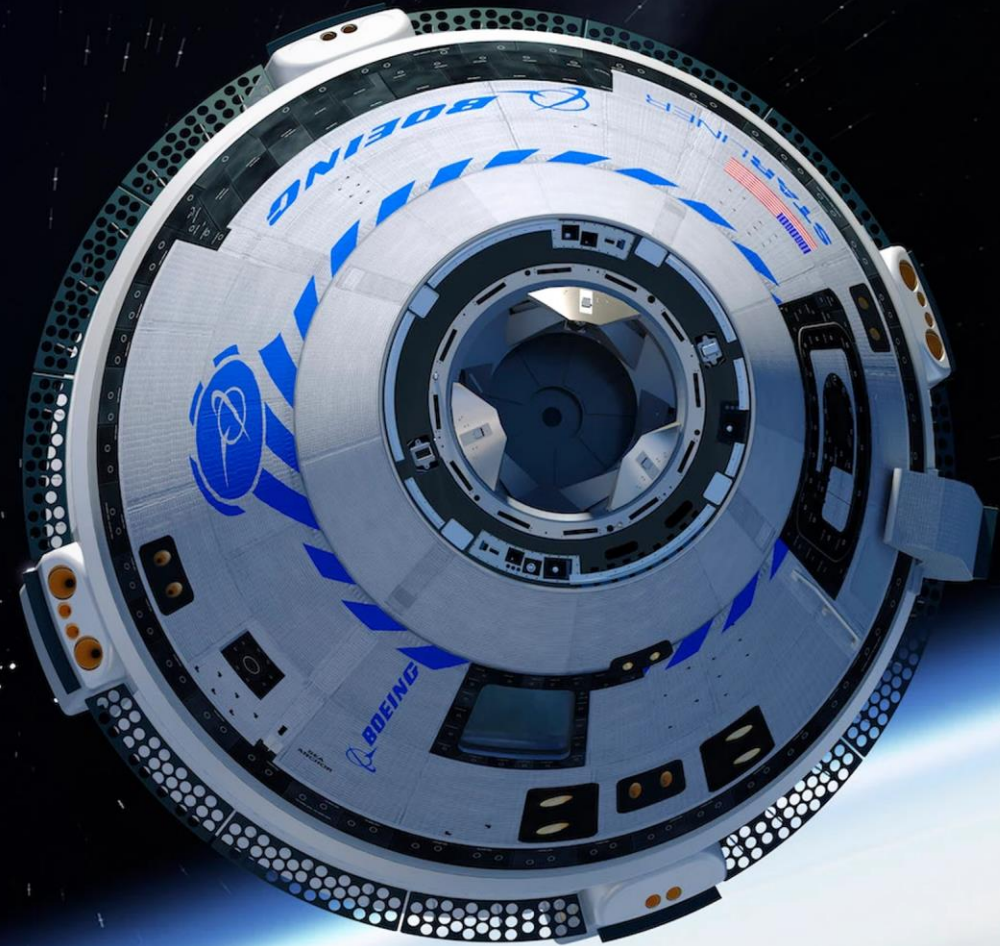
95%

Global satellites

70%

Global airframes

are designed and/or manufactured  
with Siemens Software





# Recent A&D wins and recognition of excellence

## Recent wins



## NG Strategic Excellence Award



SIEMENS

Leader in Automotive & Transportation

All top 23  
of the largest car manufacturers  
use Siemens Xcelerator

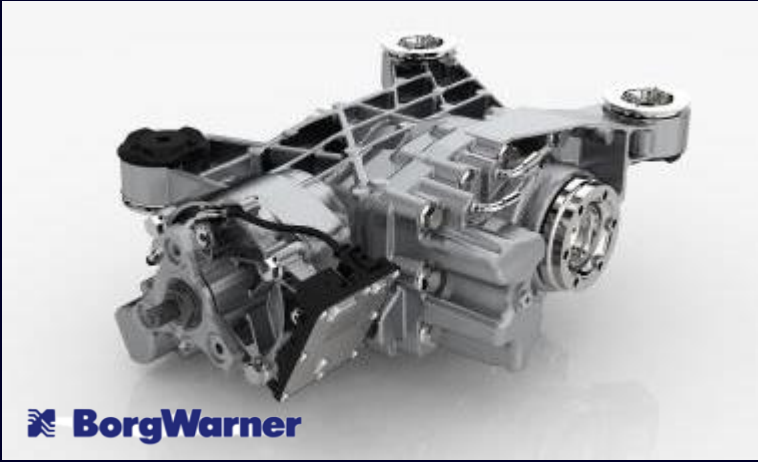
All top 20  
global plug-in electric car manufacturers  
use Siemens Xcelerator





# Recent Automotive and Transportation wins and recognition of excellence

## Recent wins



## GM Supplier of the Year Award



**SIEMENS**



## Leader in Semiconductor

# 100%

of the Top 50 Global  
Semiconductor\* companies  
use **Siemens Xcelerator**.

This includes:

- Electrical system
- Printed circuit board design
- Fluid & mechanical simulation software
- Semiconductor lifecycle management
- Closed loop manufacturing

\*According to IC Insights

**SIEMENS**



Leader in Consumer Electronics

9 out of 10

Top consumer electronics  
companies worldwide use  
Siemens Xcelerator.



SIEMENS

# 14%

Annualized  
recurring revenue

# 74%

Small and medium  
businesses







APPLIED MATERIALS®

STADLER



Fuji Electric

LG Electronics

Epiroc

POLARSTAR

NORTHROP GRUMMAN

Valeo



SAMSUNG

Canon

faurecia



Johnson & Johnson



KOHLER®

kodiak

MBDA



DAIKIN

€1B

CYIENT

Cloud ARR



Jack  
in the box



P&G

signify



ERICKSON®

MAGNA

Teknicare  
Keeping IT Simple



HODGDON



STELLANTIS

SIEMENS

