



# Climbing out of the Digital Transformation Desert

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**Todd Tuthill**

VP Aerospace, Defense, and Marine Industry  
Siemens Digital Industries Software

**David Hambling**

Moderator  
Defense Specialist, Aviation Week Contributor

# SIEMENS

## AVIATION WEEK NETWORK

### Digital Transformation Survey Results



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# Why are we talking about deserts?



# What are companies expecting?



55% think they are done

55% think they are done

72% not seeing expected ROI

# Digital Transformation Maturity

Configure

Connect

Automate

Generate

Optimize

Digital Transformation Journey



# Digital transformation maturity assessment



Current State  
Design

Current State  
Manufacturing



# Digital transformation maturity assessment



Current State  
Design

12%

26%

43%

15%

4%

1%

Current State  
Manufacturing

# Digital transformation maturity assessment



## Current State Design

12%

26%

43%

15%

4%

1%

## Current State Manufacturing

16%

34%

40%

2%

6%

1%



# Digital transformation maturity assessment



Current State  
Design

12%

26%

43%

15%

4%

1%

72% ↓ ROI

Current State  
Manufacturing

16%

34%

40%

2%

6%

1%

# Implementation issues?



# Implementation issues?

## 23% lack of clear vision

# Digital transformation maturity assessment



## Goal

### Current State Design

12%      26%      43%      15%      4%      1%

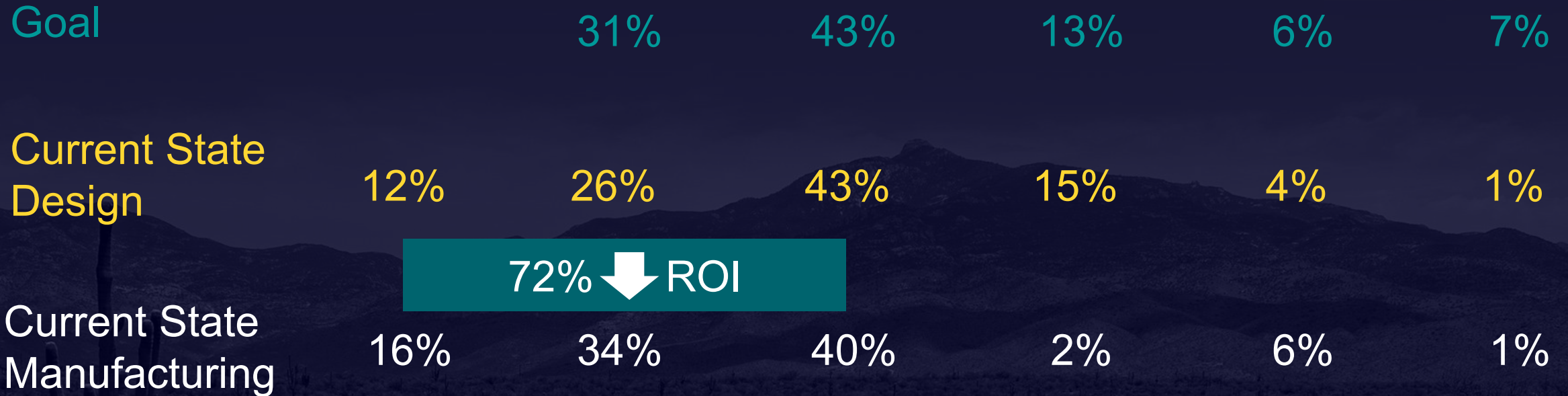
72% ↓ ROI

### Current State Manufacturing

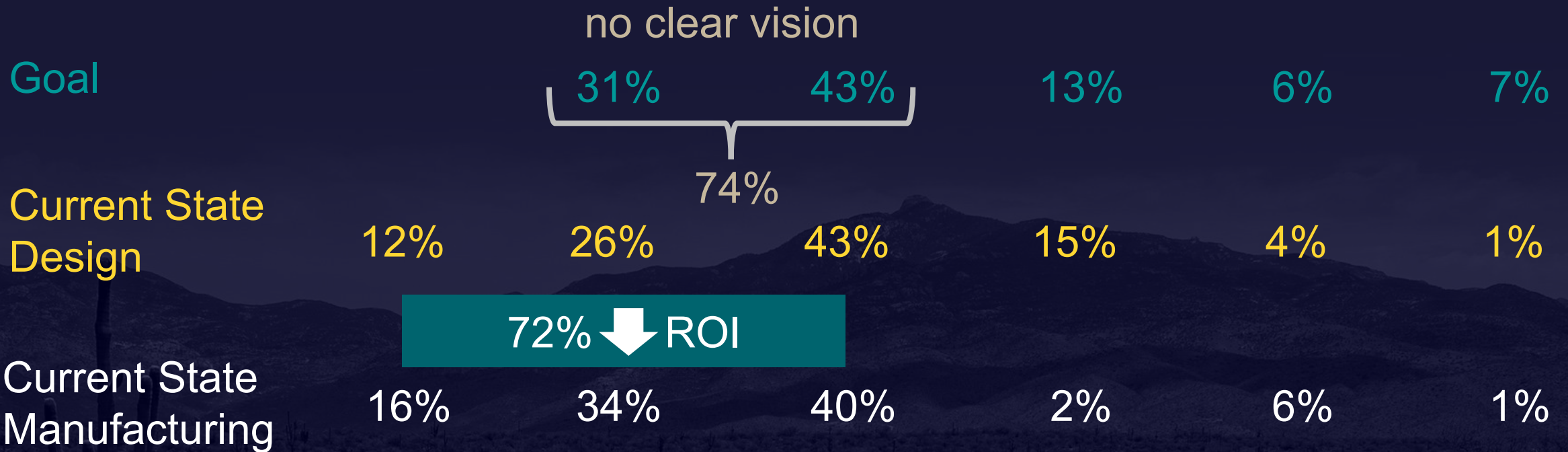
16%      34%      40%      2%      6%      1%



# Digital transformation maturity assessment

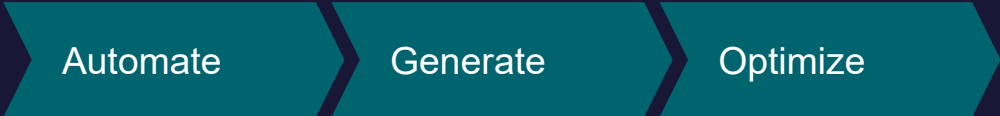


# Digital transformation maturity assessment





# Maturing your digital transformation



Digital Threads



Comprehensive Digital Twin



AI



Immersive Engineering



Digital Threads



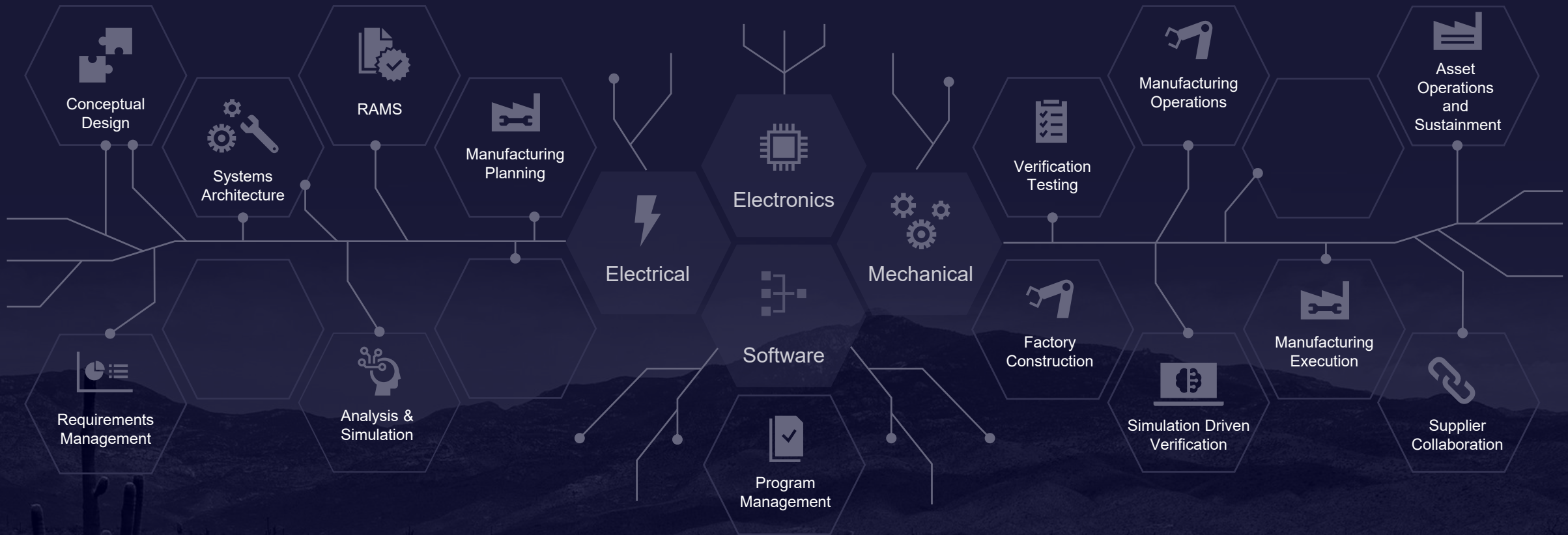


# Digital Threads





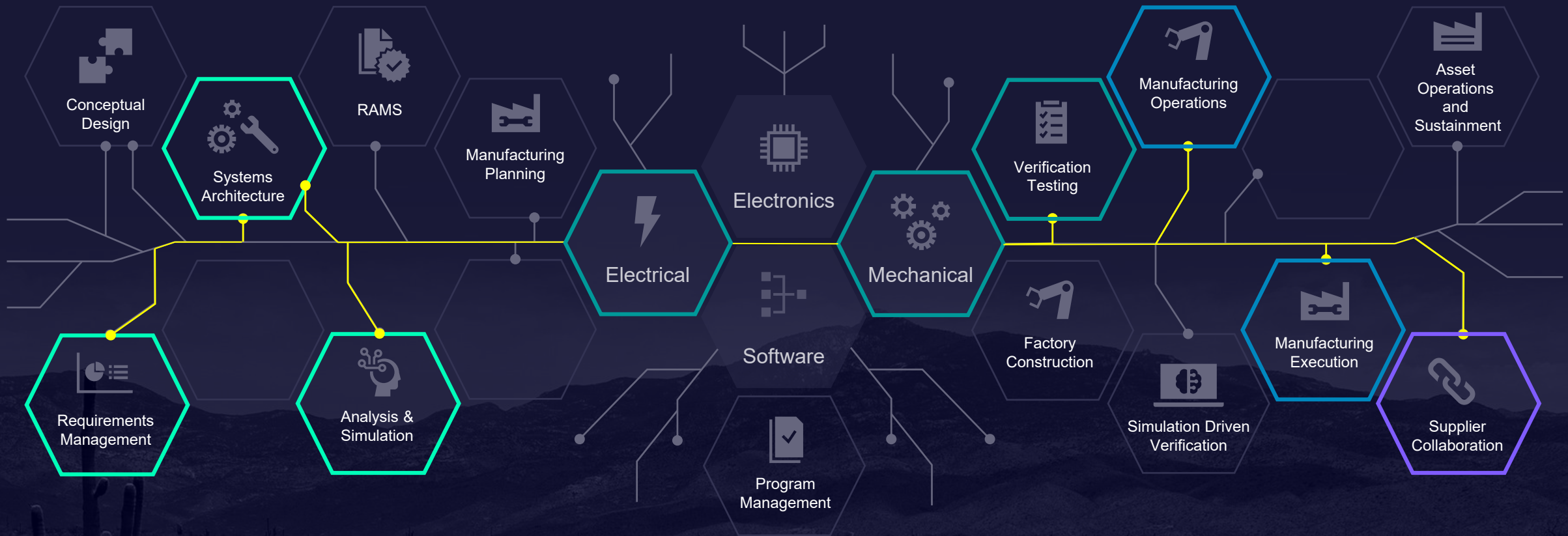
# Digital Threads







# Digital Threads

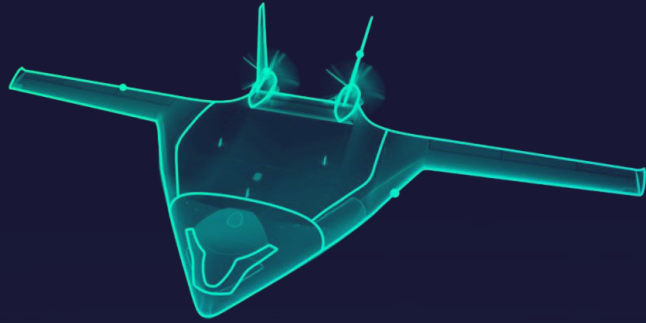




## Comprehensive Digital Twin



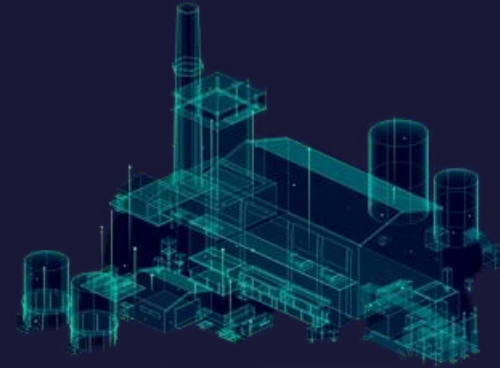
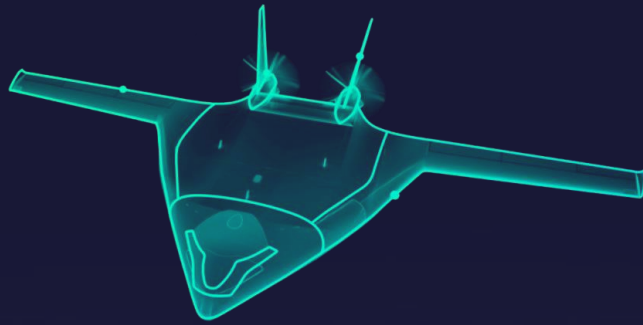
# Product Digital Twin



Comprehensive  
Digital Twin

# Product Digital Twin

# Production Digital Twin



# Comprehensive Digital Twin



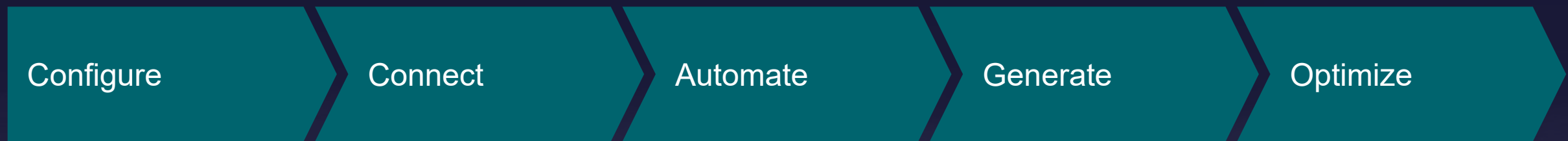




AI



AI



Digital Transformation Journey





AI



Digital Transformation Journey



AI

8%

AI part of technical workflows



Training on the Language of Engineering & Manufacturing





AI

# Modalities

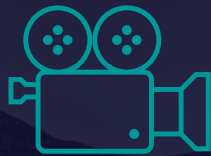
Existing large language models



Text



Image

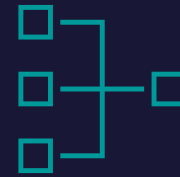


Video

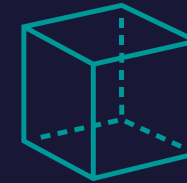


Code

RAG augmented models



System Design



Mechanical Design



Electrical Design



Simulation



Manufacturing



BOM

Training on the Language of Engineering & Manufacturing



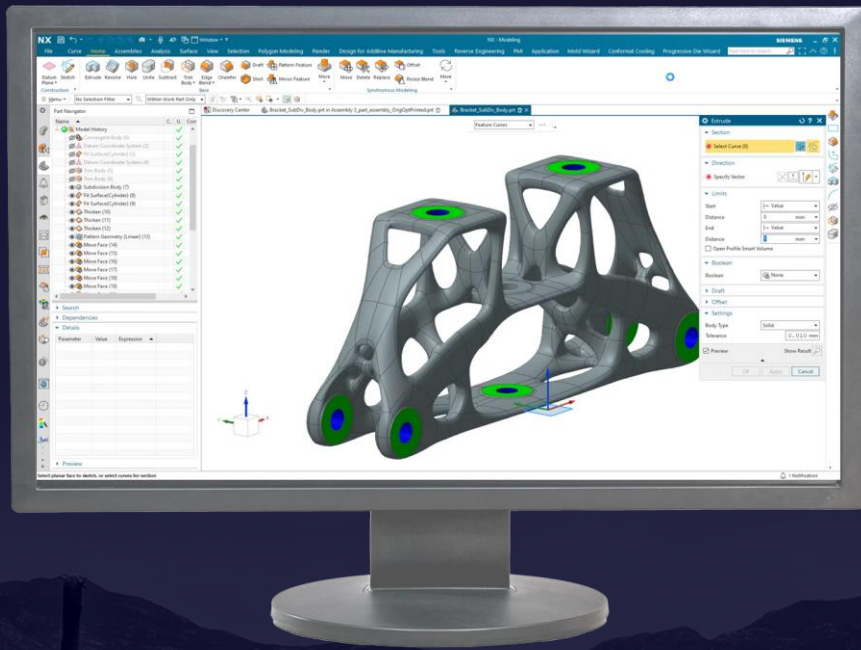
## Immersive Engineering



# What is Immersive Engineering?



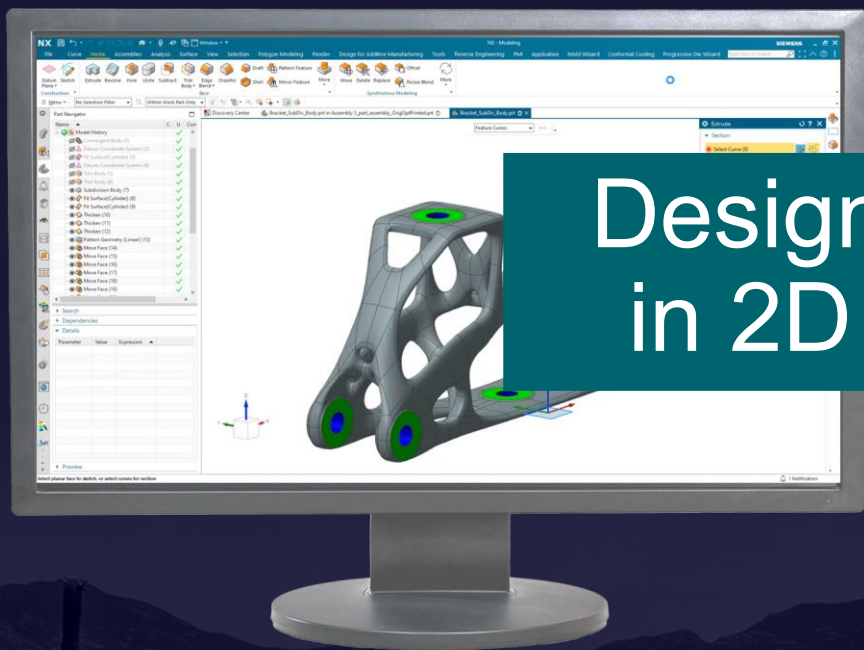
Immersive  
Engineering



# What is Immersive Engineering?

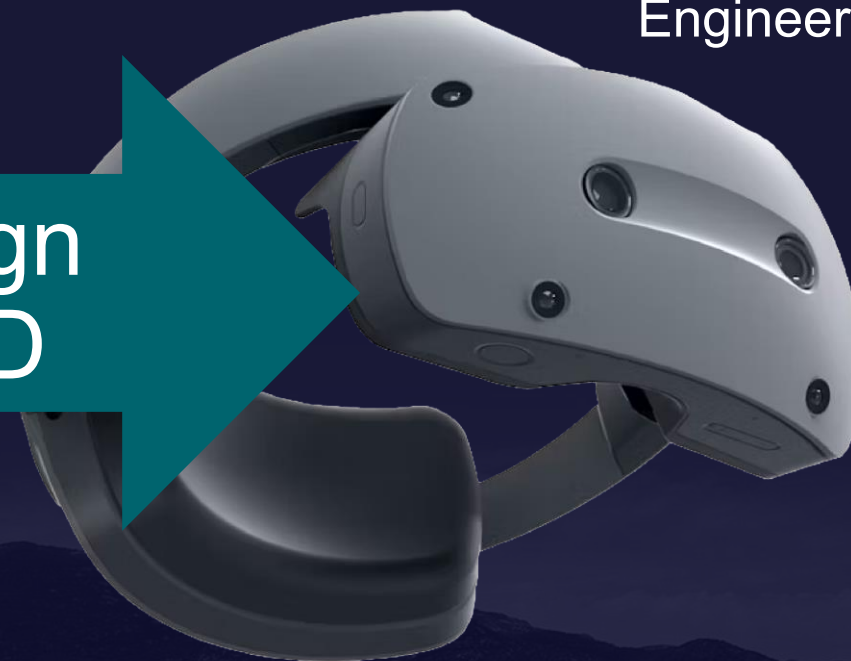


Immersive  
Engineering



Design  
in 2D

Design  
in 3D



Physics based & collaborative AR/VR



# Is it all about better tools?

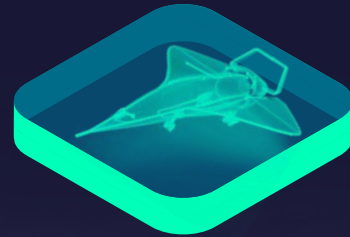
Automate

Generate

Optimize



Digital Threads



Comprehensive  
Digital Twin



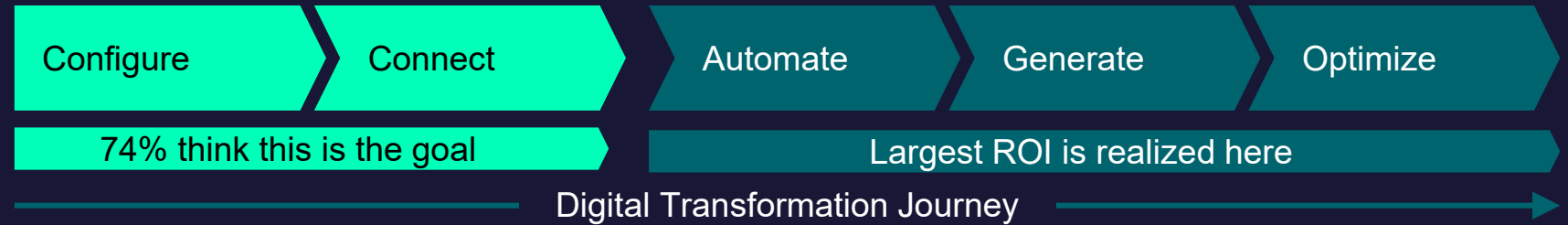
AI



Immersive  
Engineering

Tools

# Is it all about better tools?



Digital Threads



Comprehensive Digital Twin



AI



Immersive Engineering

People

Process

Tools



# SIEMENS

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### Digital Transformation Survey Results



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# Questions?



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