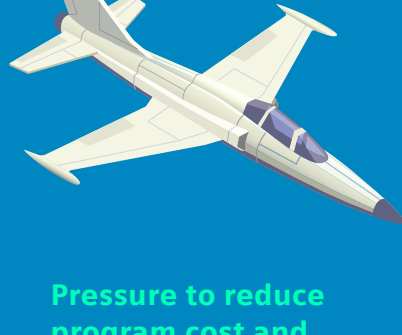




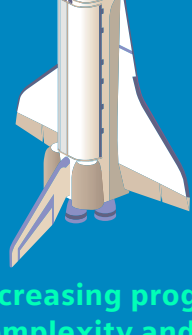
**Accelerate your digital transformation** with the power of cloud-based product lifecycle management (PLM) software

## Aerospace trends



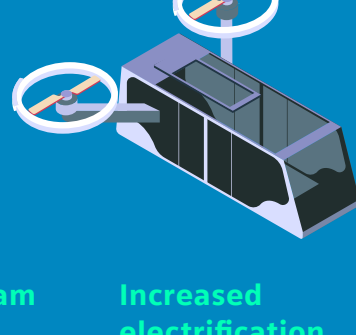
### Pressure to reduce program cost and schedule

Companies are under pressure to reduce program cost and schedule while meeting requirements for new products.



### Increasing program complexity and integration

Aerospace and defense products are becoming increasingly complex and highly integrated.



### Increased electrification of products

Decarbonization, reliability, maintainability and performance of products are driving increased electrification.

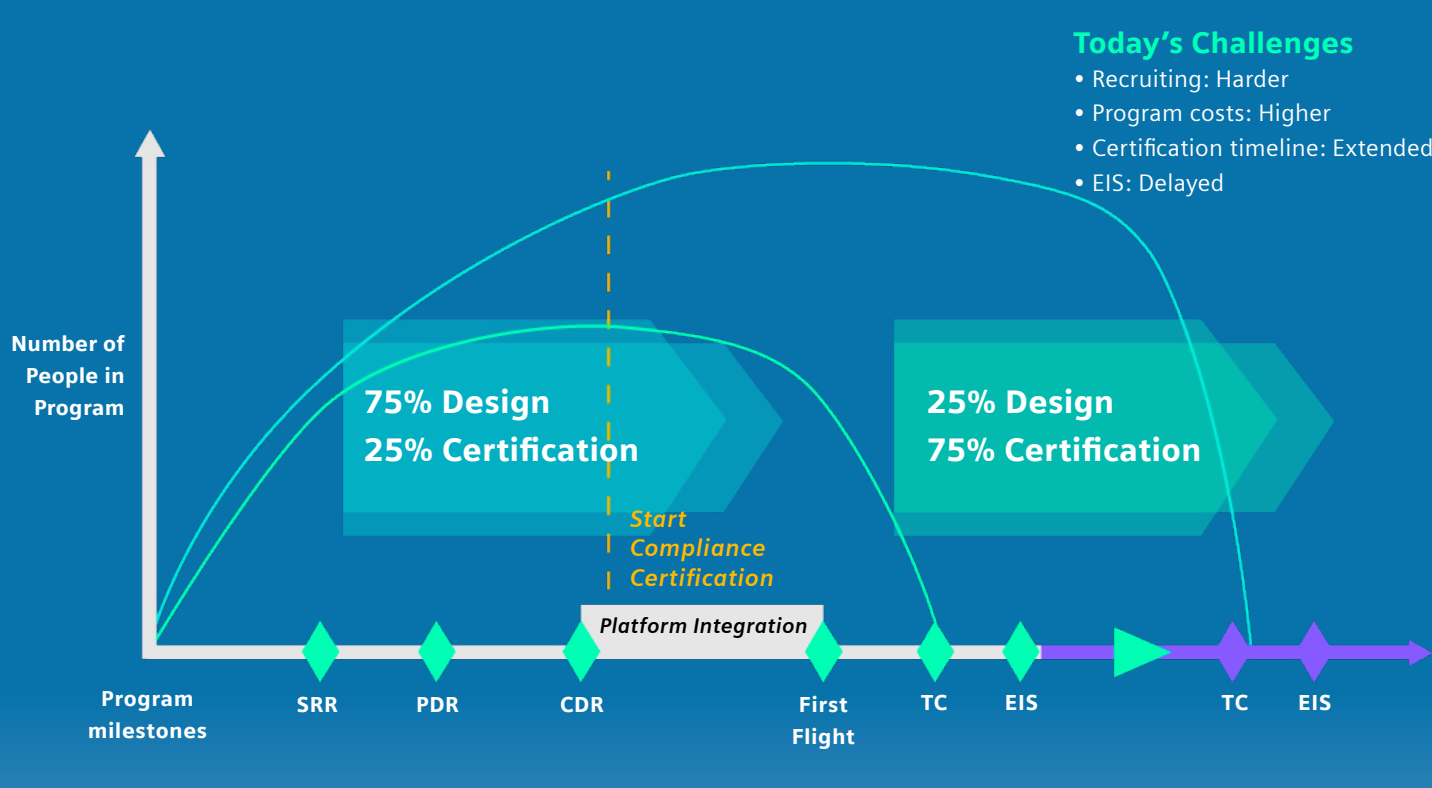


### Globalization

Increasing globalization in supply chains, workforce and competition is forcing companies to change how they collaborate internally and externally.

**These trends drive even more challenges that increase as the number of variants increase.**

## Rise in certification costs due to complexity of systems, electrification and software



In past years, 75 cents of each dollar for a development program would be spent on engineering and 25 cents on certification. We have now swapped over to where it costs more to certify than to develop the system.

**Kent Statler, Chief Operating Officer for Rockwell Collins commercial systems**

Source: Aviation Week

## Innovation and sustainability initiatives also drive certification cost

### Planes without pilots

The unmanned aerial vehicle (UAV) market will double in the next decade

Source: Teal Group



reduction in net aviation CO2 emissions by 2050

Source: IATA



smaller noise footprint of new aircraft

Source: IATA

### Electric air taxi

• Approx. 1-2 seats  
• Potential CO2 reduction 80-100%

### Hybrid-aircraft

**2020-25**  
• 18-20 seats  
• Potential CO2 reduction 10-40%

### 2020-25

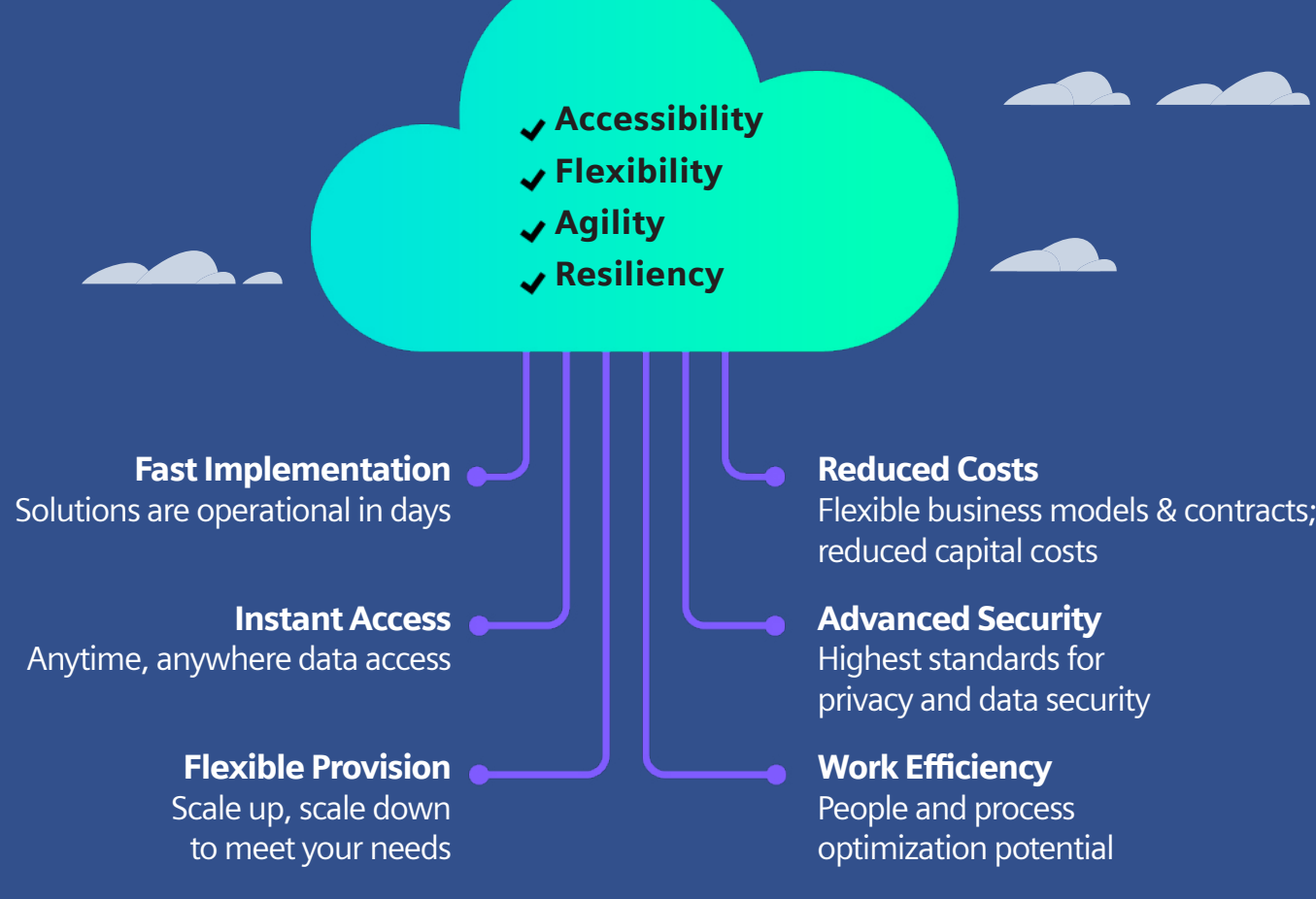
• 80-100 seats  
• Potential CO2 reduction 40-80%

### Hydrogen or fuel cell aircraft

**2035-45**  
• 50-80 seats  
• Potential CO2 reduction up to 100%\*

\* When using renewable energy

## Certify your aircraft faster and take control of program costs with the flexibility of SaaS PLM



## Top two reasons businesses choose SaaS:



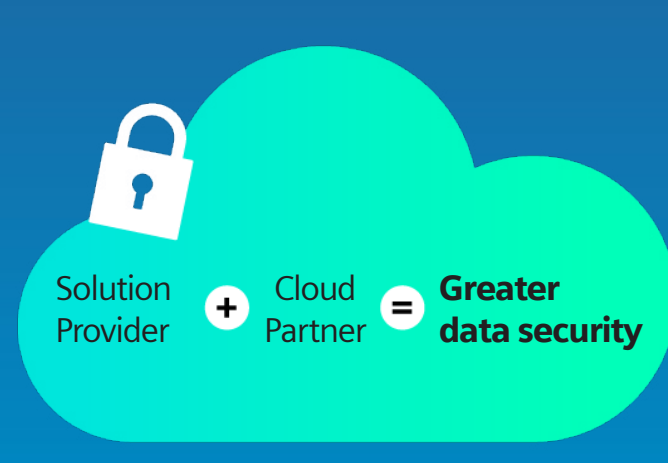
Source: Forrester Research, Quantifying the Business Value of SaaS

## SaaS provides superior data security & protection



When a company uses a SaaS PLM solution, data security is the responsibility of the solution provider and its cloud partner...As a result, the likelihood of data theft and product development-crippling malware is much less than with on-premises PLM.

Source: Lifecycle Insights, The Business Case for Cloud-Based SaaS PLM



## SaaS typically beats on-premises on overall business value



ROI [return on investment] shows that SaaS is a good bet for long-term value.

Forrester report, Quantifying The Business Value of SaaS

## The solution

**Teamcenter X is SaaS PLM on the cloud, operated by Siemens**



**Leader in Forrester Wave™: Product Lifecycle Management For Discrete Manufacturers**



**Siemens has the strongest offerings in PLM software -Transforma Insights**

Source: Transforma Insights, Industry 4.0 Digital Transformation Service Provider Peer Benchmarking 2021 Report  
Source: The Forrester Wave™: Product Lifecycle Management For Discrete Manufacturers, Q1 2023

## What's next?

**Discover more about Teamcenter X**

**Free 30 day trial**

