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A CENIT COMPANY

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DIGITALE TRANSFORMATION MIT SAAS

Erfolgreich mit und in der Cloud

Thomas Mardorf
Cloud Advocacy Senior Specialist, ECAL





AGENDA

Chapter 1

Reasons to Move to SaaS

Chapter 2

Software-As-A-Service – Key Benefits

Chapter 3

Dassault Systèmes - Strategy

Chapter 4

Conclusion





1 REASONS TO MOVE TO SaaS



WHY MOVING TO SaaS MODEL ?

THREE MAJOR BUSINESS DRIVERS

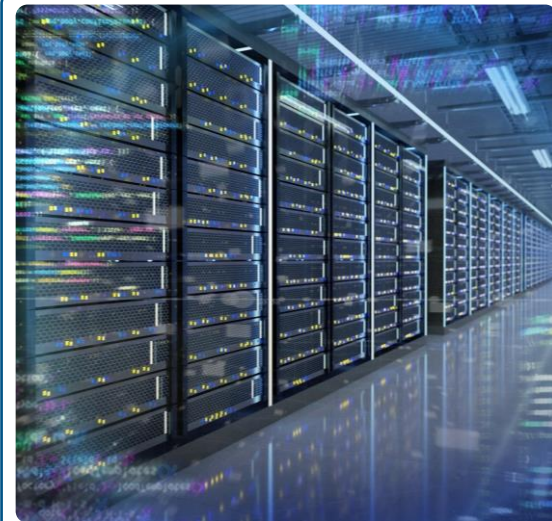
MOVING TO SOLUTION AS A SERVICE (SaaS) IS DRIVEN BY



AGILITY



COMPETITIVENESS



SECURITY

WHY MOVING TO SaaS MODEL ?

THREE MAJOR BUSINESS DRIVERS



To handle internal or external business evolutions such as environmental, regulatory and geopolitical factors, businesses must adopt a more **agile and sustainable business model**.

AGILITY



Companies must **improve their collaboration with the extended enterprise** by creating an efficient value network for co-design and co-validation.

To drive profitability, **organizations have to optimize IT costs and leverage the power of SaaS** offerings for better control of sustainability KPIs

COMPETITIVENESS



With the rise of cyberattacks and security breaches, companies must prioritize **advanced security measures** during their transformation journey.

This may include adopting a **sovereignty model** with dedicated secure environments. Additionally, recruiting and retaining skilled security personnel presents significant challenges.

SECURITY

3DEXPERIENCE PLATFORM – DEPLOYMENT SOLUTIONS



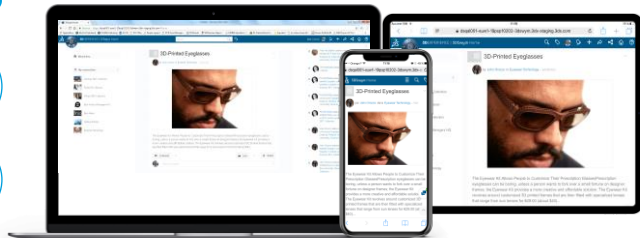
3DEXPERIENCE platform on Prem

CUSTOMER DATACENTER OR HOSTING PROVIDER



Installation, Updates, Monitoring and Operations under **Customer's** responsibility

End Users



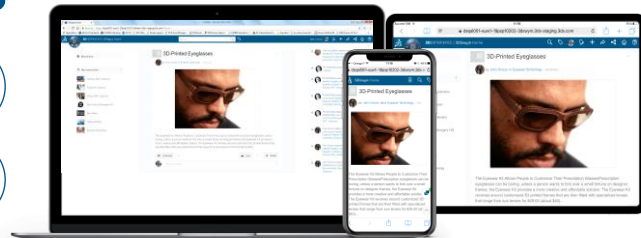
3DEXPERIENCE platform on the cloud (SaaS)

SaaS

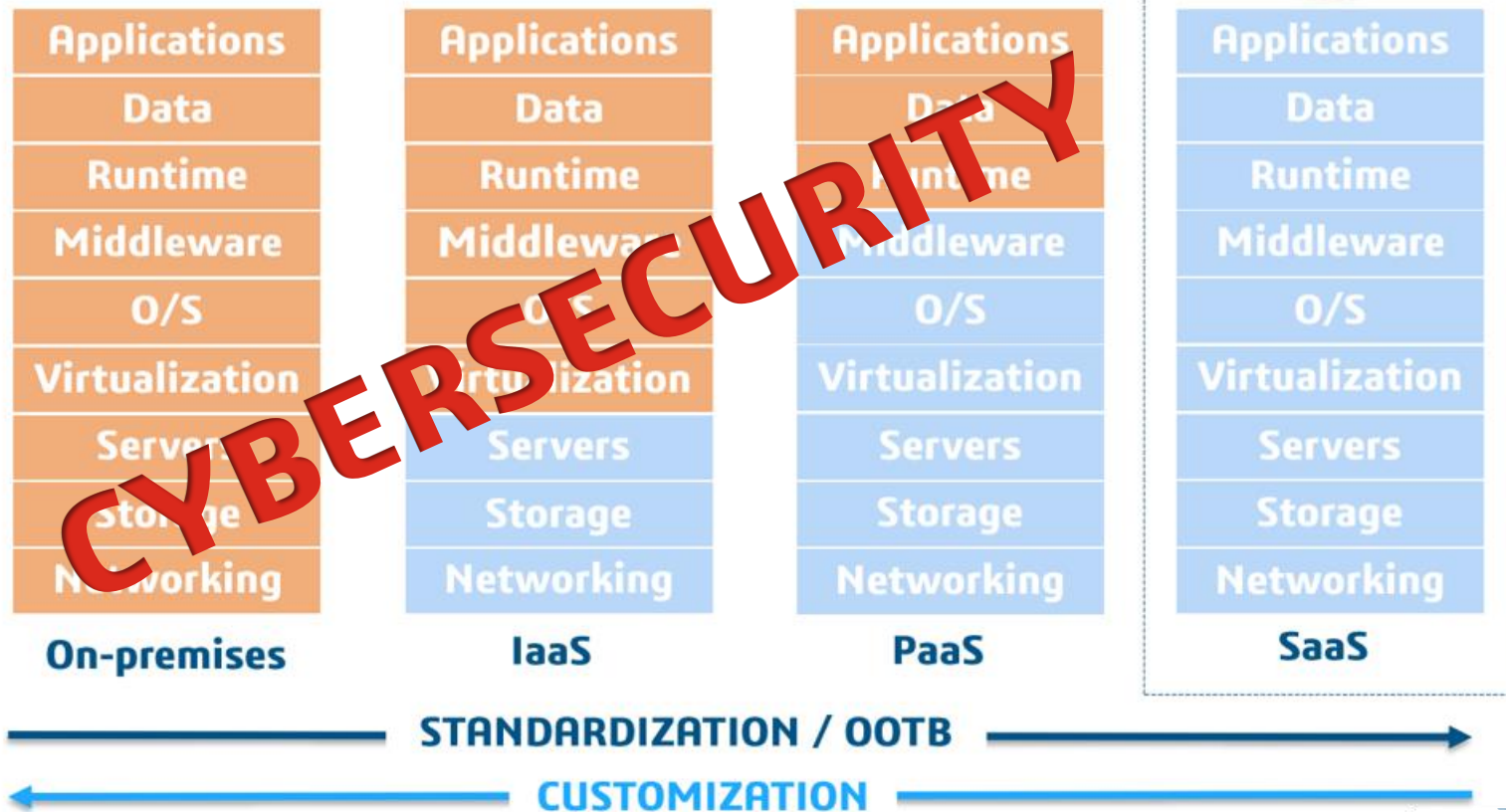
(Software as a Service)

Provisioning, Installation, Updates, Monitoring, **Data hosting** and Operations under **Dassault Systèmes** responsibility

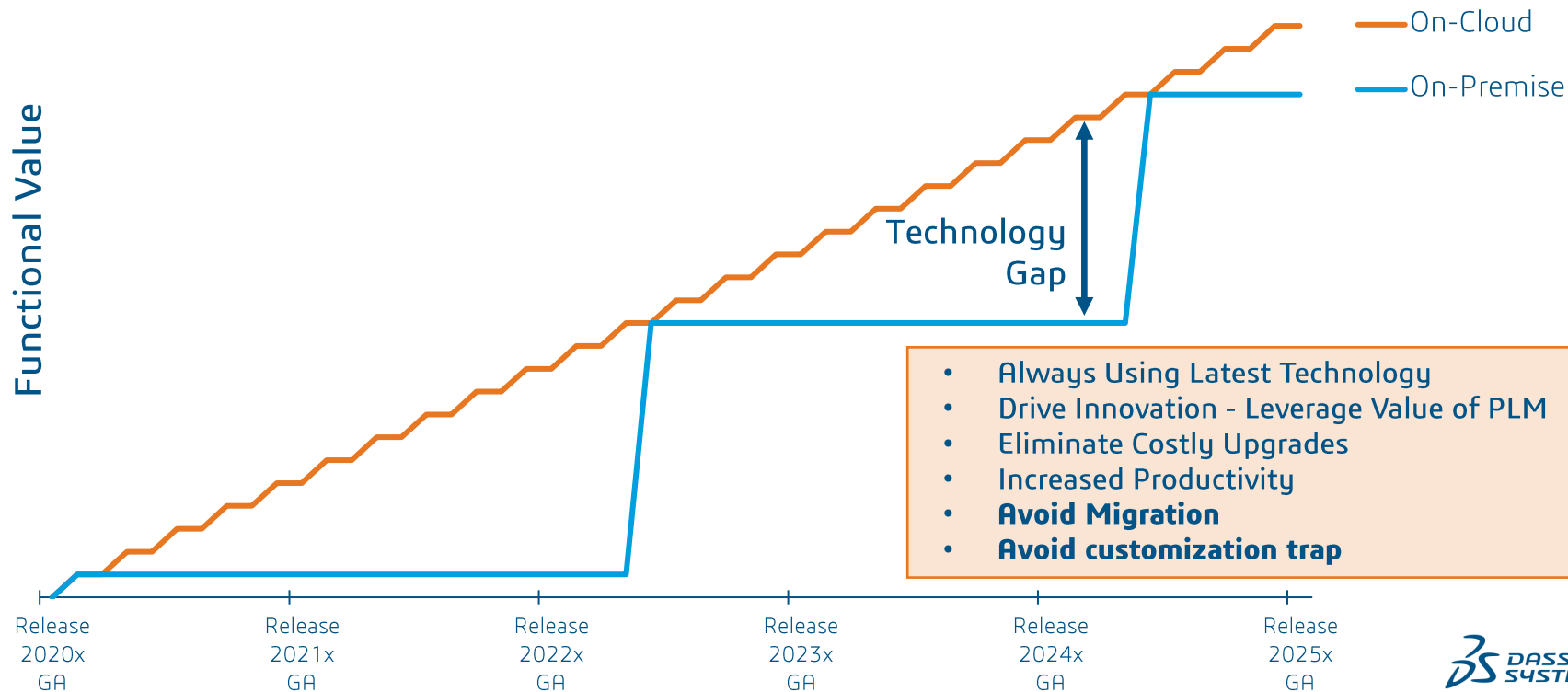
End Users



DEPLOYMENT RESPONSIBILITY SPLIT



ALWAYS USING THE LATEST & GREATEST





2 KEY BENEFITS



DASSAULT SYSTÈMES SAAS OFFER - KEY BENEFITS

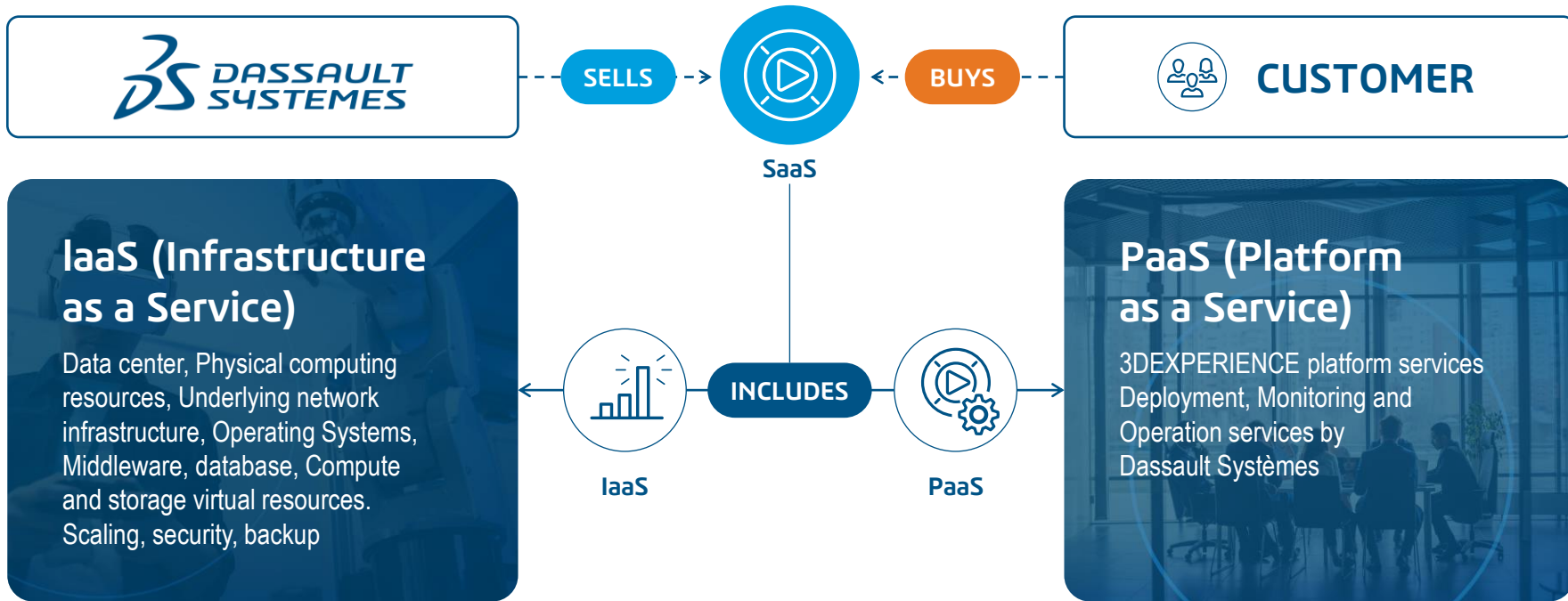
INTEGRATION FRAMEWORK

ALL IN ONE SOLUTIONS



Dassault Systèmes SaaS OFFER - Key Benefits

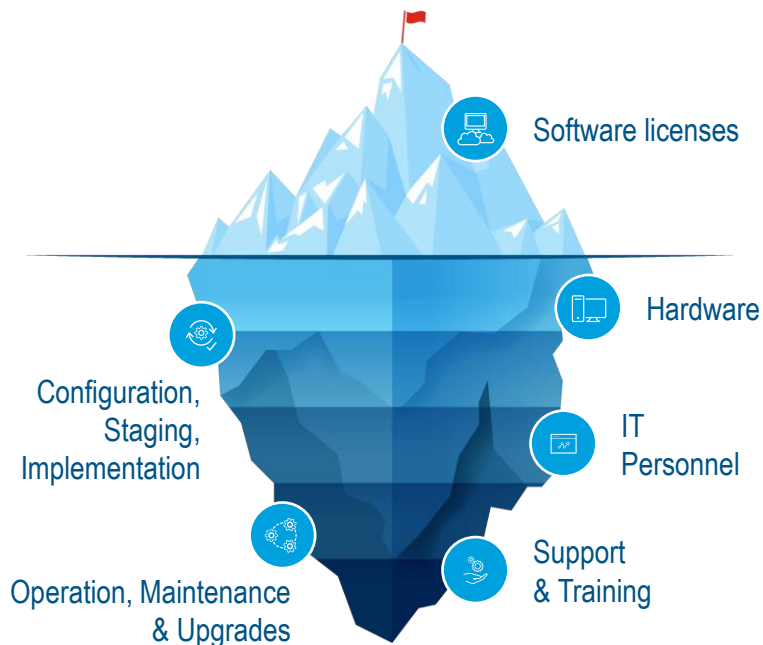
1- OUR SaaS OFFER: ALL-IN-ONE SOLUTION



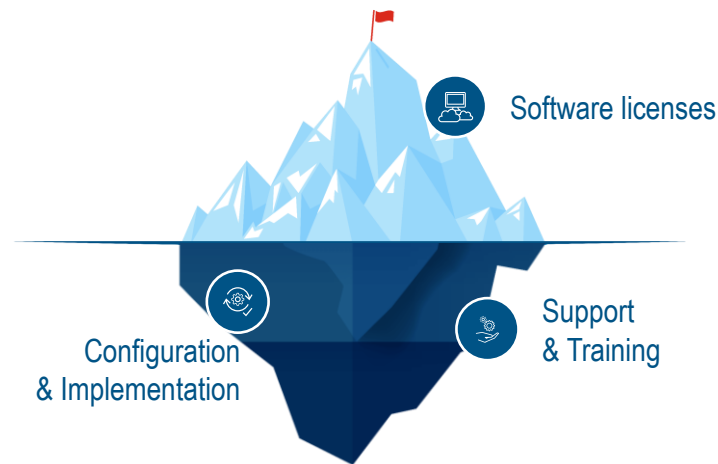
Dassault Systèmes SaaS OFFER - Key Benefits

3- TOTAL COST OF OWNERSHIP (TCO)

ON PREMISE / CLOUD HOSTED



CLOUD SaaS



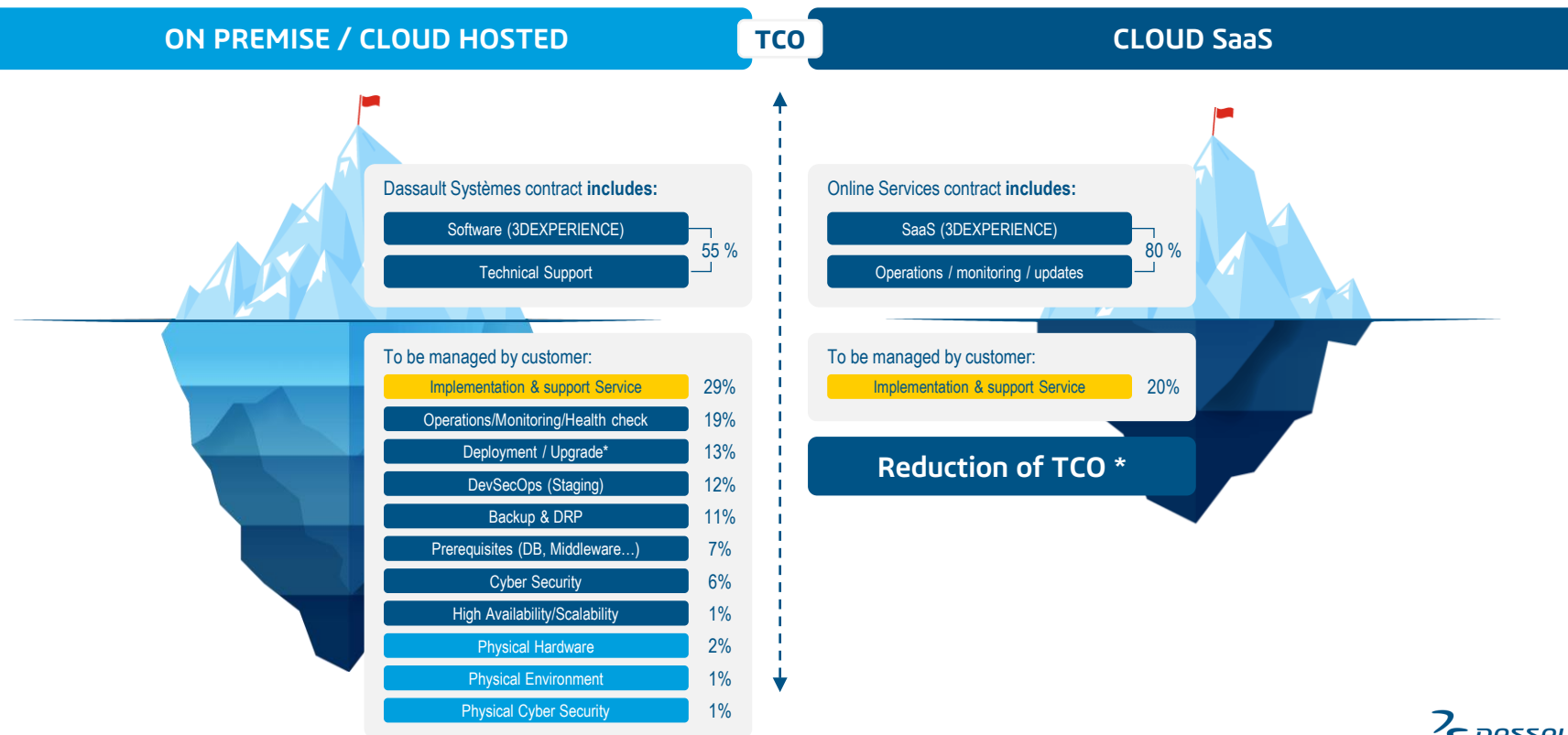
**Reduction
of TCO ***

**up to
36%**

on a study performed on 1000 users (w 300 CAD users) with OOTB deployment – source available for discussion – (*) Depending on each context

Dassault Systèmes SaaS OFFER - Key Benefits

3- TOTAL COST OF OWNERSHIP (TCO) COST ON 5 YEAR TIMEFRAME



Dassault Systèmes SaaS OFFER - Key Benefits

4- GLOBAL AVAILABILITY



3DEXPERIENCE SaaS Region



Sovereign Region

*Region include multiple datacenters with DRP
(Disaster Recovery Plan)*

Dassault Systèmes SaaS OFFER - Key Benefits

5- SECURITY CERTIFICATIONS

With a security at the highest level of current certifications" to high-level security certifications for each cloud offering



ISO 9001:2015 - Dassault Systèmes
is certified on Quality Management System



3DEXPERIENCE on the cloud is certified
ISO 27001:2022




ISO 9001:2015 Certificate Scope:
Design, development, delivery, deployment,
cloud operations, and support of software

ISO 27001:2017 (Information Security Management)

ISO 27701:2019 (Security techniques — Extension to ISO/IEC 27001)



ISO 27001 - 3DS IaaS Providers are certified on Information Security Management System

- **ISO 27017:2015** (information security controls applicable to the provision and use of cloud services)
- **ISO 27018:2014** (objectives, controls and guidelines for implementing measures to protect Personally Identifiable Information (PII) in accordance with the privacy principles in ISO/IEC 29100 for the public cloud computing environment)
- **ISO 27701:2019** (Security techniques — Extension to ISO/IEC 27001)
- **SECNUMCLOUD 3.2, TISAX...** 



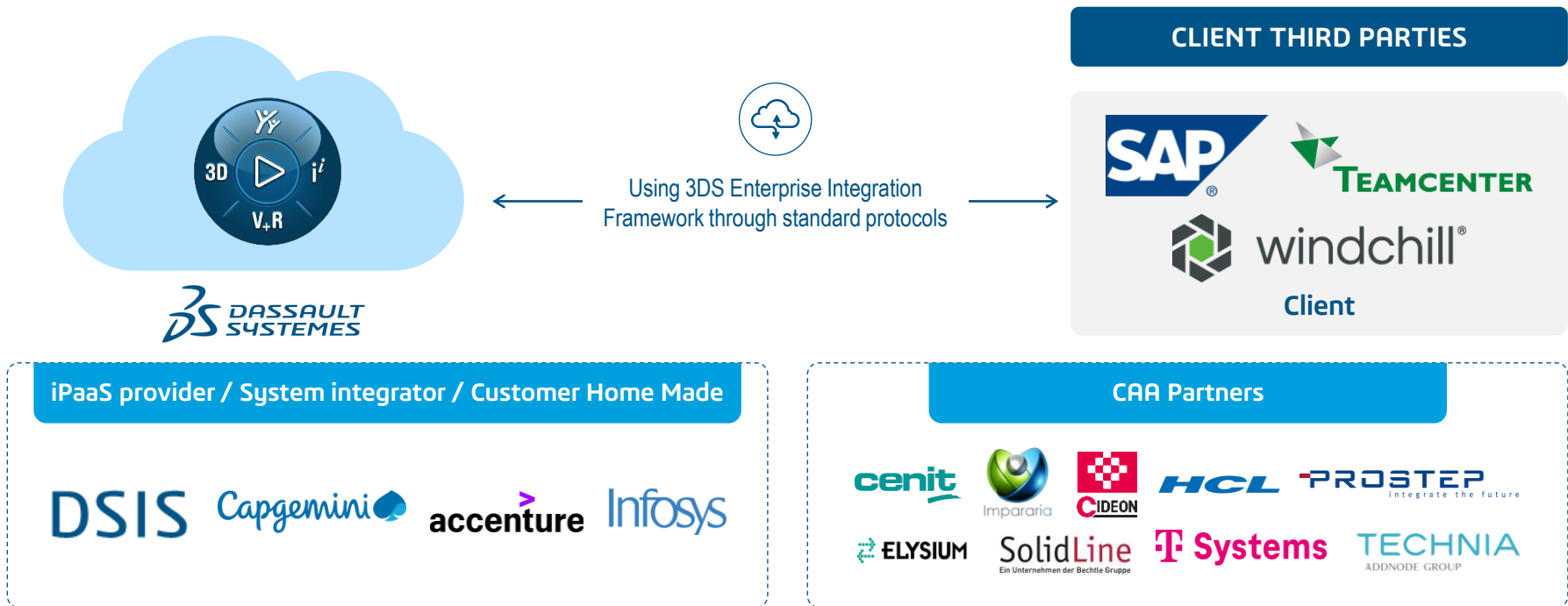
ISO 27001:2022 - 3DS IT&IS Information Security Management system



Dassault Systèmes SaaS OFFER - Key Benefits

7- INTEGRATION FRAMEWORK

Standard integration protocols provided by DSIS or partners





3 OUR STRATEGY





3DEXPERIENCE SAAS STRATEGY

A 14+ years strategy : Cloud First organization / acquisition / architecture

Dassault Systèmes is a software vendor delivering software : **SaaS** portfolio

Dassault Systèmes objectives : Support all customers with same

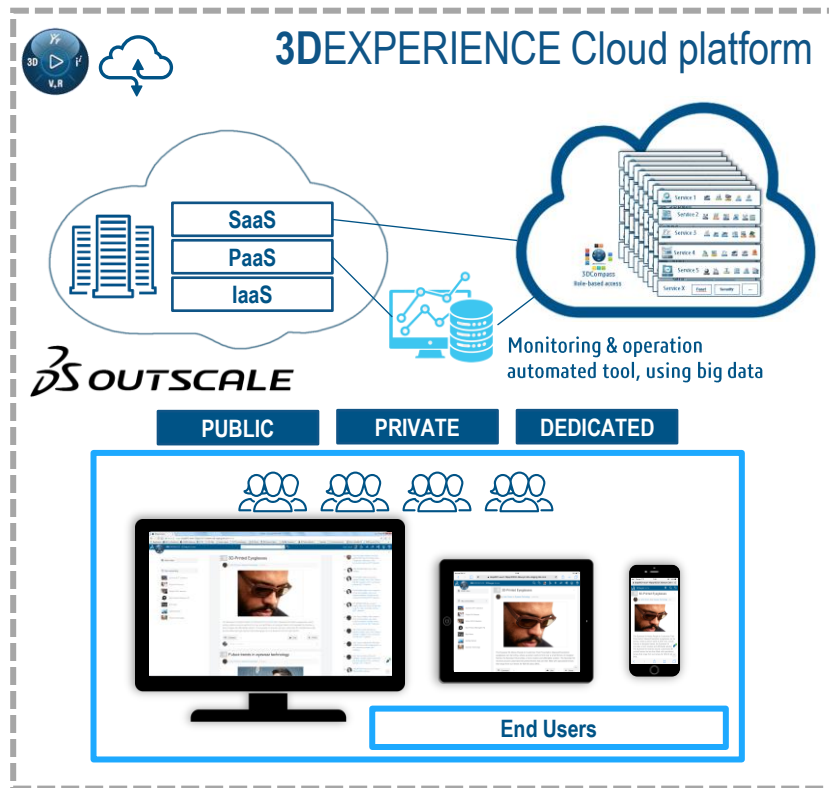
- **Up to date** software (updated 5 times a year and patched on a daily base)
- Service Level Agreement : **99.5% - 24/7**
- **Secure** : cybersecurity because customers' innovation data is critical



Dassault Systèmes take responsibility, so take **full control** and make all necessary effort :

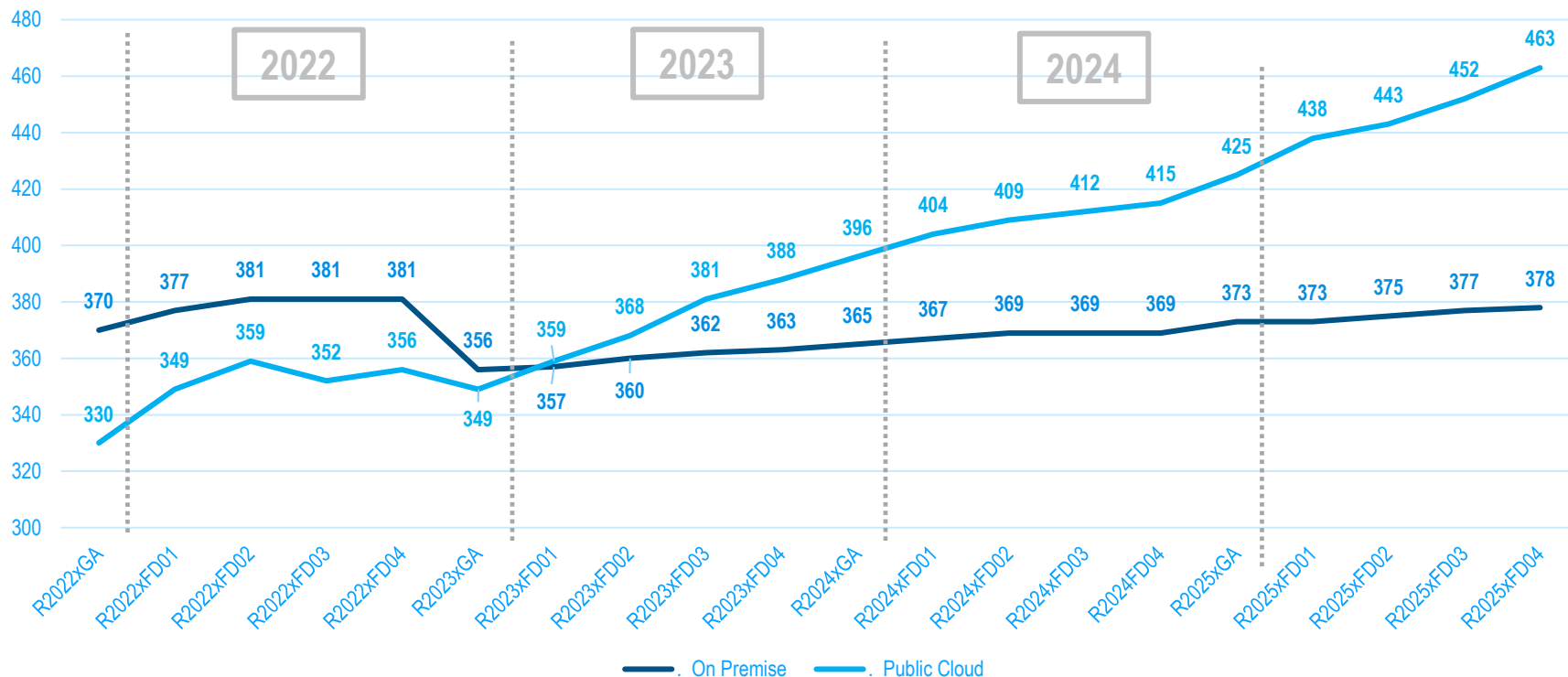
- Provisioning and acquisition strategy (3DS software or open source). No dependency to a third party (e.g. **OS**, middleware, **database providers**, **containerization**,....), but Hardware.
- 2010 : Outscale creation. 2023, Outscale is a sovereign IaaS provider, operating all 3DS brand (**3DEXPERIENCE**, Medidata, CentricPLM, HomeByMe)
- **DevSecOps** organization and associated processes (SSDLC on all stack)
recognized by ISO 27001 certification for following activities : Design, development, delivery, deployment, cloud operations and support
- A **dedicated SaaS architecture** proposing same user experience on Prem and on Cloud.

- FROM N-TIERS (about 10) TO SERVICES and MICRO SERVICES ARCHITECTURE (about 400)



3DEXPERIENCE PLATFORM ON THE CLOUD – NB OF ROLES/TRIGRAMS

Roles or trigrams are Dassault Systèmes' elementary commercial offering. One role/trigram delivers several Apps.



From Developing Cloud First (and reporting on Premise)

...

To taking benefit of SaaS Specific Architecture

3D UNIVERSES



GENERATIVE
EXPERIENCE



VIRTUAL
COMPANION



CYCLE
OF LIFE



SENSE
COMPUTING



EXPERIENCE

V+R

VIRTUAL
TWIN



KNOWLEDGE &
KNOW-HOW PLATFORM

ARCHITECTURE FOR 3D UNIV+RSES

With a consistent Software
as a Service **Operator**
enabling a
**Unified Cyber
Governance**



Dedicated Cloud
Confined Collaboration

Sovereign Cloud
Trusted Collaboration

International Cloud
Secured Collaboration

Platform
revealing
knowledge & know-how



3DEXPERIENCE

Experience as a Service

Industry Solution Experiences



Virtual Twin Experiences

Industry Process Experiences

Roles & apps



Virtual Companions



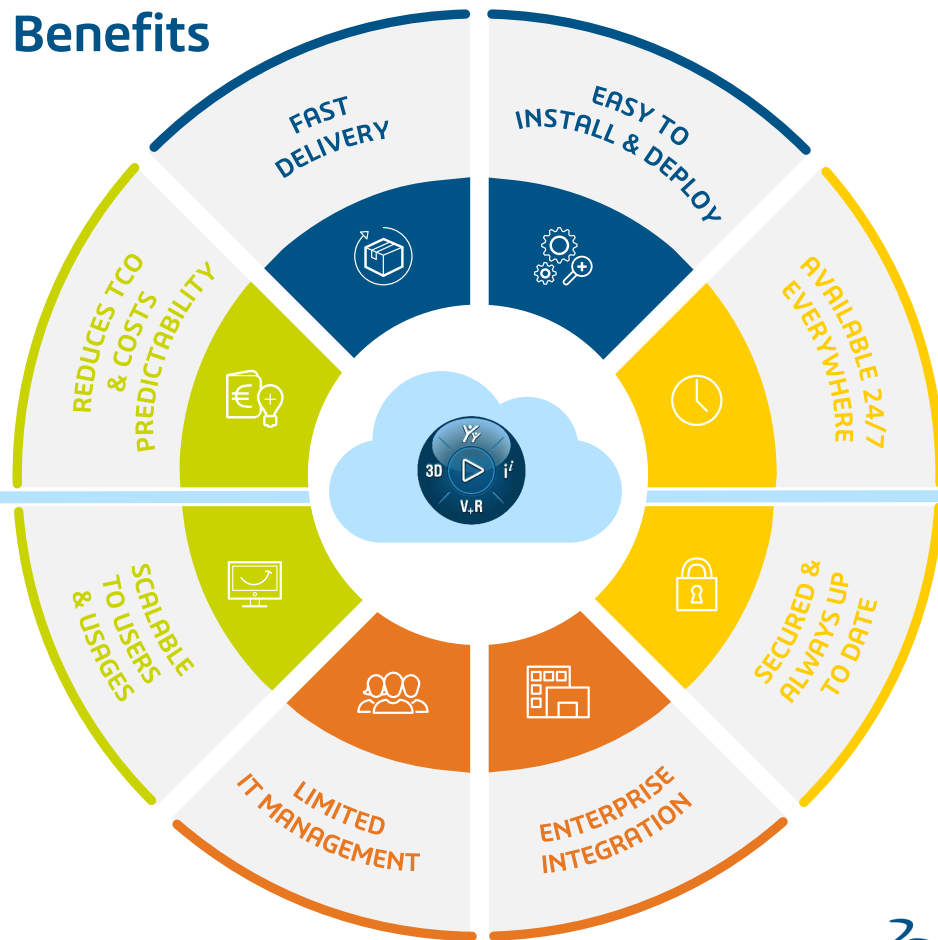


4 CONCLUSION



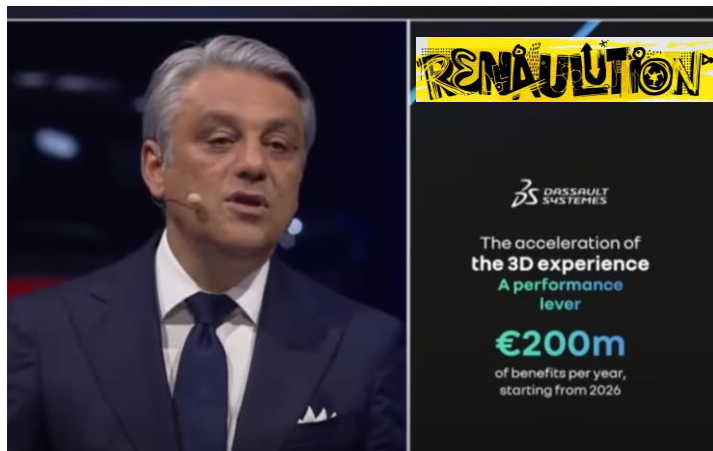
Dassault Systèmes SaaS - Key Benefits

2- BENEFITS



EVIDENCE: LIGHTHOUSE PROGRAM „RENAULTION“

The Renault Group announced **end of 2021** the implementation of the **3DEXPERIENCE platform** as part of their corporate program **RENAULTION**. The derived project, in terms of **transformation goals and magnitude**, shares a comparable nature with the current tender.



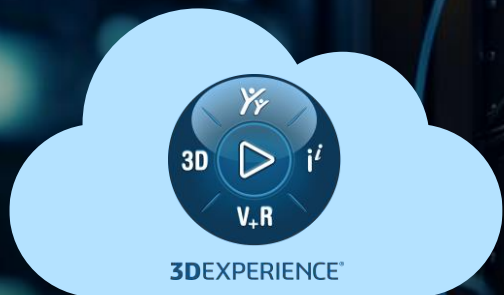
Luca de Meo, CEO Renault Group

- The financial business **year 2023** was the most successful one in the history of the Renault Group. Those business achievements are an evidence that the **3DEXPERIENCE** is a fundamental performance lever along the transition of “RENAULTION”.
- Associated Goals¹:
 - Reduce development time by appr. 1 year,
 - Reduce quality costs and
 - Halve the costs for physical prototypes
- Statement²:
 - **3DEXPERIENCE** platform leads to **annual benefits of 200 million Euros** from 2026 onwards
 - This corresponds to 9% of the R&D budget 2023

1) Olivier Colmard, VP Digital Transformation CAE & PLM, Renault Group, Presentation on 3DS NAM Conference in March 2023. Youtube: [Renaultion Virtual Twin Transformation](#)

2) Luca de Meo, CEO Renault Group; 2023 Annual General Meeting - Renault Group - 11 May 2023

SOME CUSTOMER REFERENCES



> 80 000 Clients
(Q3-2025)



3DEXPERIENCE On Premise



3DEXPERIENCE SaaS



AIRBUS



DASSAULT
AVIATION

P&G
Procter & Gamble



3DEXPERIENCE SaaS



XOS

Umweltservice
LOHR GmbH
• PLAUEN • CHEMNITZ • NIEDERWURSCHNITZ • BERG

SCHAEFFLER

BOLD
VIBRABLE TECH

nexTER
SYSTEMS



BRIDGESTONE

HARBINGER

VERTICAL

ARISTON
THERMO GROUP

ASYLON
Robotic Perimeter Security

SUNWAY
LIFE OF GREEN ENERGY



**Virtual Worlds
for Real Life**

**DISCOVER MORE
ON 3DS.COM**

