



3DEXPERIENCE®

Dassault Systèmes

Morgan Stanley TMT 2019

Pascal Daloz,
EVP, CFO & Corporate Strategy Officer

Agenda

Q3 & YTD 2019 Highlights

Q4 & FY 2019 Objectives

2019 Life Sciences Day

Q3 & YTD 2019 Highlights Non-IFRS

- ▶ Q3 **revenue** up **10%** exFX and **EPS** up **20%**

YTD 2019 Performance

Total revenue up **+12%** exFX

Organic recurring* revenue up **+9%** exFX

3DEXPERIENCE software revenue** up **+32%** exFX

Double-digit software revenue growth in **Aerospace, Marine & Offshore** and **Home & Lifestyle**

EPS up **+19%**

Strategy Implementation

PURPOSE

Life Sciences to become a **new core industry**

SOCIAL

Addressing the whole value chain: from **Large Companies** to **Small Businesses** and **Startups**

INDUSTRY

Industry Renaissance: from **Manufacturing Industries** to **Infrastructures & Territories** and **Healthcare**

EXPERIENCE

Customer-centric, citizen-centric, patient-centric experience

- ▶ On-track to reach **5-year goal** of **doubling EPS** to **€3.50** in **2019**
- ▶ Medidata acquisition **completion** expected in the **coming days**
- ▶ Adding **Medidata** to FY19 objectives, assuming **two-month contribution period**

The 3DEXPERIENCE Supports our Purpose

“ Dassault Systèmes provides business & people with 3DEXPERIENCE universes to imagine sustainable innovations capable of harmonizing product, nature and life. ”





Delivering on Transportation & Mobility Challenges

Electric, Connected & Autonomous Vehicles

Intelligent vehicle experience delivery



Certification & Compliance

Compliance with global and local requirements



Electric Vehicles Batteries

From chemistry to cell engineering, to module engineering and integration into full vehicles



On-Target Vehicle Launch

Engineering, industrialization, manufacturing



On-Demand Production

Visibility, efficiency, and control of manufacturing operations, within and across plants



TOYOTA

Adopts 3DEXPERIENCE Platform



The automotive industry is now undergoing a major transformation. OEMs are facing challenges of survival and sustainable growth. TMC decided to adopt 3DEXPERIENCE POWER'BY to reinvent its traditional car development and drastically improve its productivity.



Business Values:

Car electrification, smart & connected cars, new competition, AI, consumer digitalization, IoT

Values:

- ▶ **Simultaneous** development by timely sharing latest data
- ▶ **Single version of truth** across R&D, design, production, sales, customer services, alliance companies & suppliers

Ambition:

- ▶ Global deployment including suppliers for more than **40,000 users** (deployment ramp-up 2019-2023)
- ▶ **Lead time reduction**
- ▶ **Business transformation** (digital engineering)
- ▶ **Seamless collaboration** with oversea sites, worldwide suppliers and business partners

Solution:

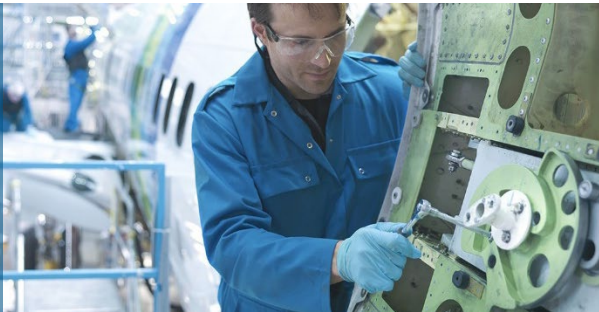
3DEXPERIENCE POWER'BY



Delivering on Aerospace Challenges

Production Rate

Meet demand for the next few years



Growing Complexity of Systems

Accelerate program integration while decreasing costs



Disruptive Innovation

Accelerate from concept to delivery from years to months



After Market

Increase fleet availability and reduce parts inventory

Passenger Experience

Stand-out from the competition with customized, cost-efficient and certified experiences





Lockheed Martin Adopts 3DEXPERIENCE



Lockheed Martin Aeronautics Company, home of the world renowned Skunk Works®, turns visionary aircraft into reality and is known for building the finest military aircraft in the world



Business Values:

3DEXPERIENCE platform to become the **standard engineering** and **manufacturing** planning software for **all new Advanced Development Programs** in Aviation innovator Skunkworks

- ▶ Providing the **end-to-end infrastructure** needed to engineer new programs from **concept** to the **handoff** to the **shop floor**
- ▶ Multi-year digital transformation partnership to improve **affordability** and **manufacturability** of next generation products

Solution:

3DEXPERIENCE Platform with Program Excellence, Winning Concept, Co-Design to Target, Ready to Rate and Cleared to Operate Industry Solution Experiences



Delivering on Consumer Packaged Goods and Retail Challenges

The New Consumer

React more quickly to deliver meaningful innovation on shorter timelines



Production Complexity

Manage production complexity to provide the right product at the right time



Margin Pressure

Drive sustainable growth and increase profits



Regulatory Compliance

Support health and wellness trends and manage regulatory compliance efficiently



The Last Mile

Use agile new models for product delivery



L'Occitane Adopts 3DEXPERIENCE

L'OCCITANE
EN PROVENCE

Leading Health and Beauty Company



Business Values:

Laboratoires M&L, the **manufacturing division of L'Occitane Group**, needed to improve production planning flexibility to **deal with the fluctuations in natural raw materials** and to deliver its products **on time**

- ▶ **Optimizing global production and logistics operations** from raw material reception, weighing, production, packaging, and storage
- ▶ **Anticipating early**, issues that can adversely affect the quality and delivery of its products to market
- ▶ **Reducing the rate of non-quality and waste by 50%**

Solution:

3DEXPERIENCE Platform with **Perfect Production** Industry Solution Experience leveraging **DELMIA Apriso** applications



Delivering on Home & Lifestyle Challenges

The New Consumer

Understand consumers to meet their expectations and gain their loyalty



Limitless Innovation

Think without limits in order to deliver innovation for product, process, materials, and experience



Digital Manufacturing & Supply Chain

Be flexible and adapt the entire supply chain to evolving consumer demand



Personalized Experiences

From mass merchandising to customized products and personalized experiences



CENTRIC PLM: 1,000+ brands

Market Adoption
in Home & Lifestyle



2007 – 2011 2012 – 2013 2014 2015 2016 2017 2018 YTD 2019

The 3DEXPERIENCE Supports our Purpose

“ Dassault Systèmes provides business & people with 3DEXPERIENCE universes to imagine sustainable innovations capable of harmonizing product, nature and life. ”





Delivering on Construction, Cities and Territories Challenges

Sustainable, Secure and Resilient Future

Establish a digital referential to enable modeling and using scenario simulation



Maximize Project Outcomes

Design more effectively and efficiently



Create Collectively

Access to real-time information and seamlessly exchange knowledge



Modernize Craftsmanship

Allow architecture, engineering and construction professionals to gain precision and control



Respect the Art

Achieve total creative flexibility and win design competitions





CRDC

Adopts 3DEXPERIENCE

China Railway Design Corporation (SRDC) is China's leading railway design company



Business Values:

Increasing **large-scale railway projects win rate** in China and abroad

- ▶ Improving **collaboration** between **all multidisciplinary stakeholders**
- ▶ Increasing **design efficiency** and **consistency**
- ▶ “Before digital optimization, we would remove nearly the entire mountain body to build the retaining structure of the railway. But after digitally moving the location of the entrance, the **earthwork decreased drastically**“

Lin Su, senior engineer and group leader of CRDC's BIM R&D group

Solution:

3DEXPERIENCE Platform with multiple Industry Solution Experiences

The **3DEXPERIENCE** Supports our Purpose

“ Dassault Systèmes provides business & people with **3DEXPERIENCE** universes to imagine sustainable innovations capable of harmonizing product, nature and life. ”

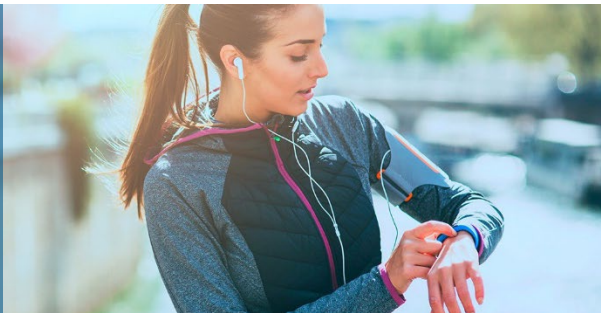




Delivering on Life Sciences Challenges

Personalized Health

Develop a holistic approach to care that encompasses genomics, behavior and the environment



Knowledge Capitalization

Connect systems, people and data in a virtual ecosystem



Total Quality

Achieve regulatory compliance with exceptional quality standards



Development and Manufacturing Excellence

Smart, predictive and adaptive manufacturing



Reinventing the Value Chain

Create new, connected patient experiences





IRBM

Adopts 3DEXPERIENCE

IRBM

IRBM is Italy's largest independent partner research organization for drug discovery and preclinical development



Business Values:

Global solution from research to development
including lab informatics, cheminformatics, bioinformatics
lab process management, chemical and materials
inventory, lab execution, data analytics

- ▶ Improving **efficiency** and **speed**
- ▶ Reducing **costs** for research and development
- ▶ Improving **quality** and **compliance**
- ▶ Faster **task execution & standardization**
- ▶ Reducing **in-house software development**

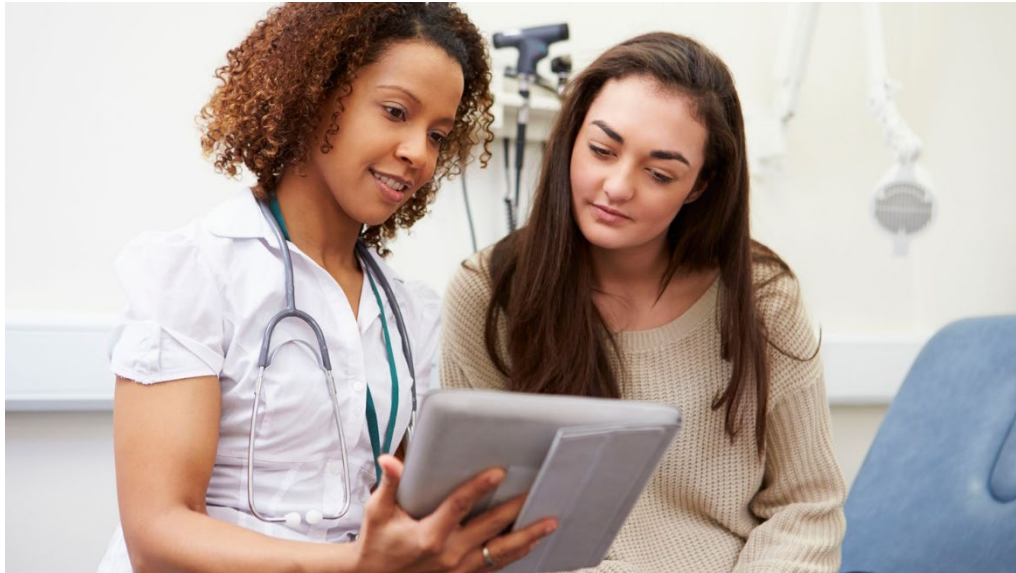
Solution:

3DEXPERIENCE Platform with
One Lab Design to Cure
Industry Solution Experience



Medidata Acquisition

Pushing the Bounds of Possibilities in 21st Century Healthcare



Poised to lead the digital transformation of Life Sciences in the age of precision medicine and patient-centric experience



Unique Integrated Business and Scientific Platform

Made to Cure

Accelerate market launch and maximize return on investment



Launched to Cure



Manufacturing

License to Cure

Accelerate therapeutic development, approval, manufacturing, and supply, in a global landscape



Commercialization

Clinical testing

Clinically Approved



Research & Discovery

Designed to Cure

Speed time to market with higher quality novel therapeutics



Preclinical development

ONE Lab

Optimize your laboratories and leverage knowledge to improve time to market



Dassault Systèmes

Medidata Solutions





Dassault Systèmes + Medidata

Medidata
to operate as a **3DS brand**



Powering Smarter Treatments
and Healthier People

Life Sciences
New Core Industry



~20% of combined
software revenue*

Dedicated
Go-to-market

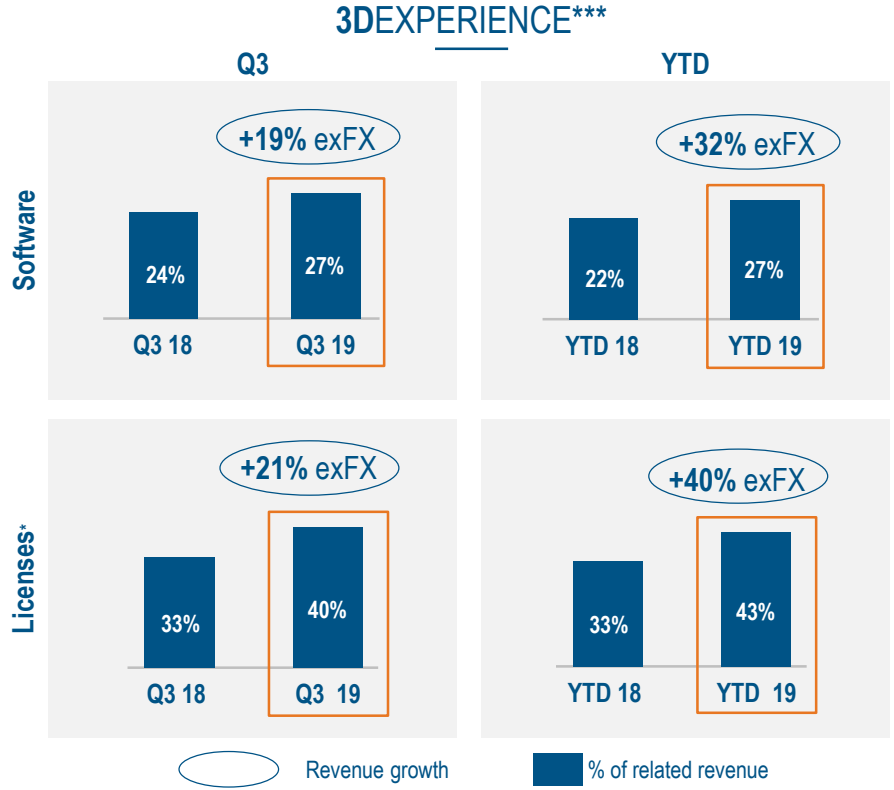


To address
4,500 companies
in pharma
and **50,000** in medical
devices

Q3 & YTD 2019 Performance at a Glance Non-IFRS

€ millions	Q3 19	YTD 19
Revenue	914	2,843
Growth	+13%	+16%
Growth exFX	+10%	+12%
Software Growth exFX	+9%	+11%
Licenses* Growth exFX	+2%	+9%
Recurring** Growth exFX	+12%	+12%
Operating Margin	30.3%	31.3%
Operating Margin	+1.4 pt	+1.4 pt
EPS (€)	0.78	2.46
EPS Evolution	+20%	+19%

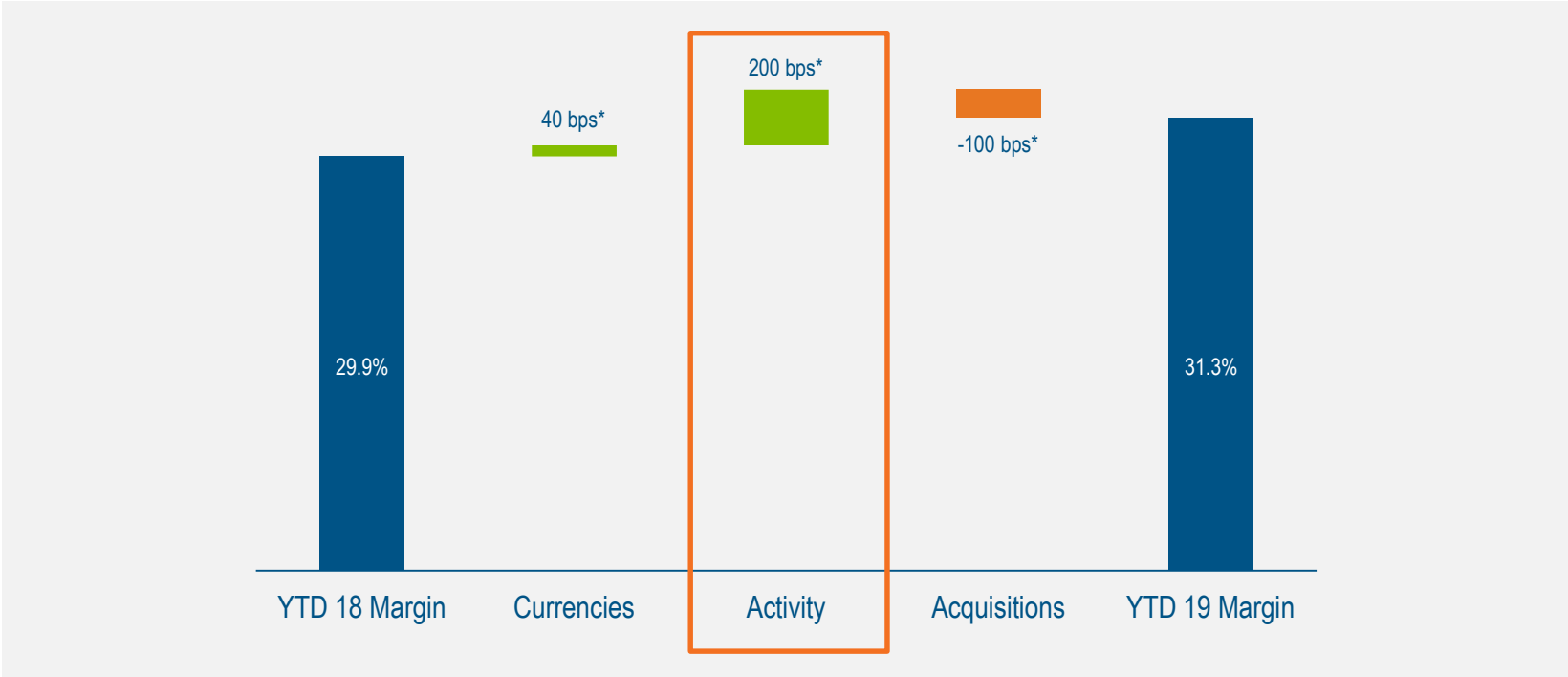
Accelerating recurring revenue growth



Software Revenue Non-IFRS

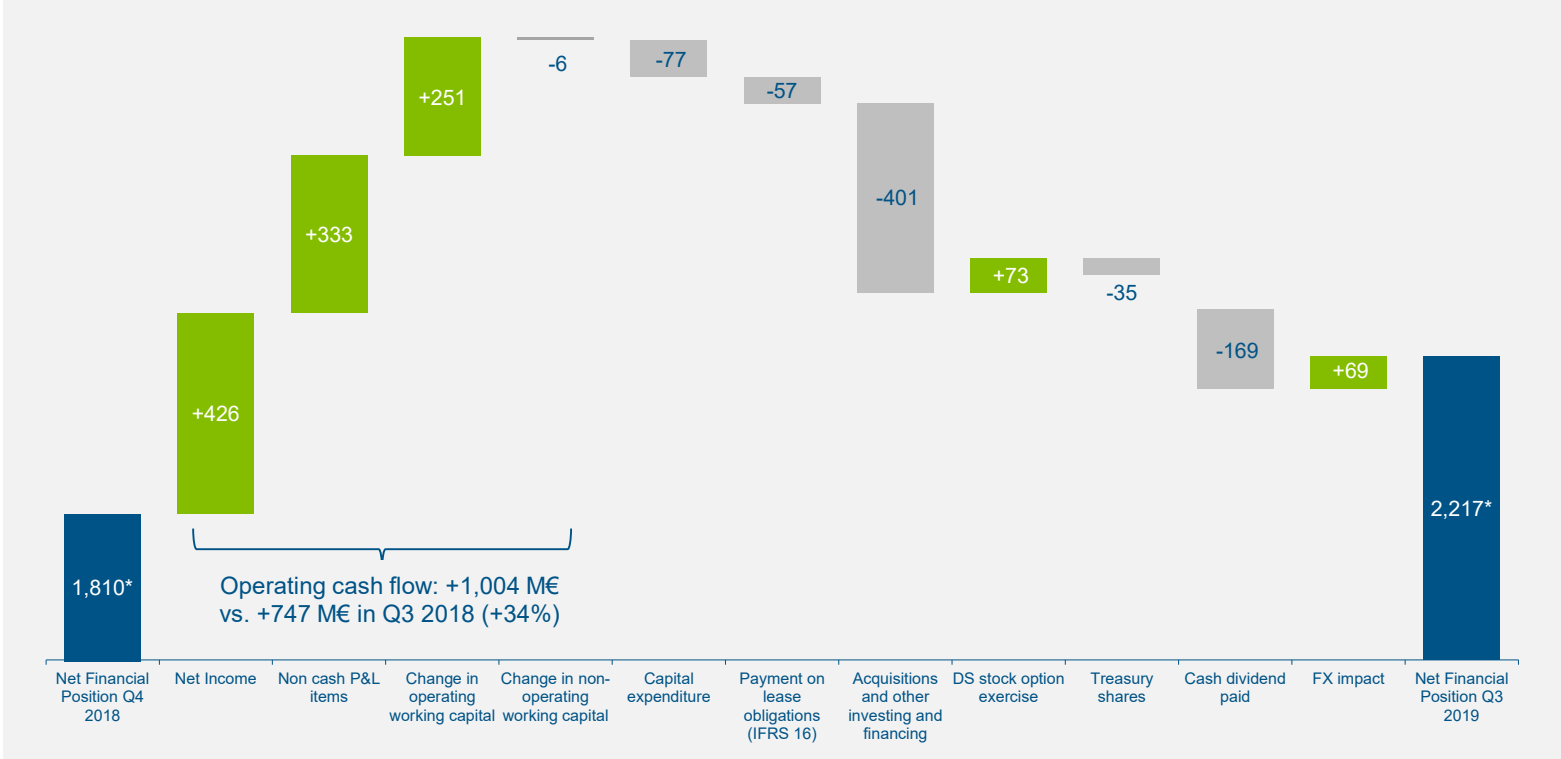
Software Revenue Growth exFX	Q3 19	YTD 19	
by Region			
Americas	+19%	+17%	Large deal activity, strong recurring software growth and contributions from acquisitions
Europe	+5%	+9%	Good performance in France, Northern and Southern Europe - Weak macro backdrop in Germany
Asia	+4%	+7%	China and Japan up 10% exFX in Q3, partially offset by weak results in Korea and India
by Brand			
CATIA	+5%	+8%	Sustained growth of automotive OEMs Softening of automotive supply chain in Q3
ENOVIA	+3%	+10%	Limited number of large transactions in Q3
SOLIDWORKS	+7%	+5%	Continued double-digit revenue growth in Asia Improvement in Europe and America
Other Software	+17%	+19%	Double-digit organic revenue growth led by SIMULIA and DELMIA
Software Revenue	+9%	+11%	

Operating Margin Evolution Non-IFRS



* bps: basis points

Change in Net Financial Cash Position IFRS



* Net financial cash position = Cash and cash equivalents and short-term investments minus borrowings

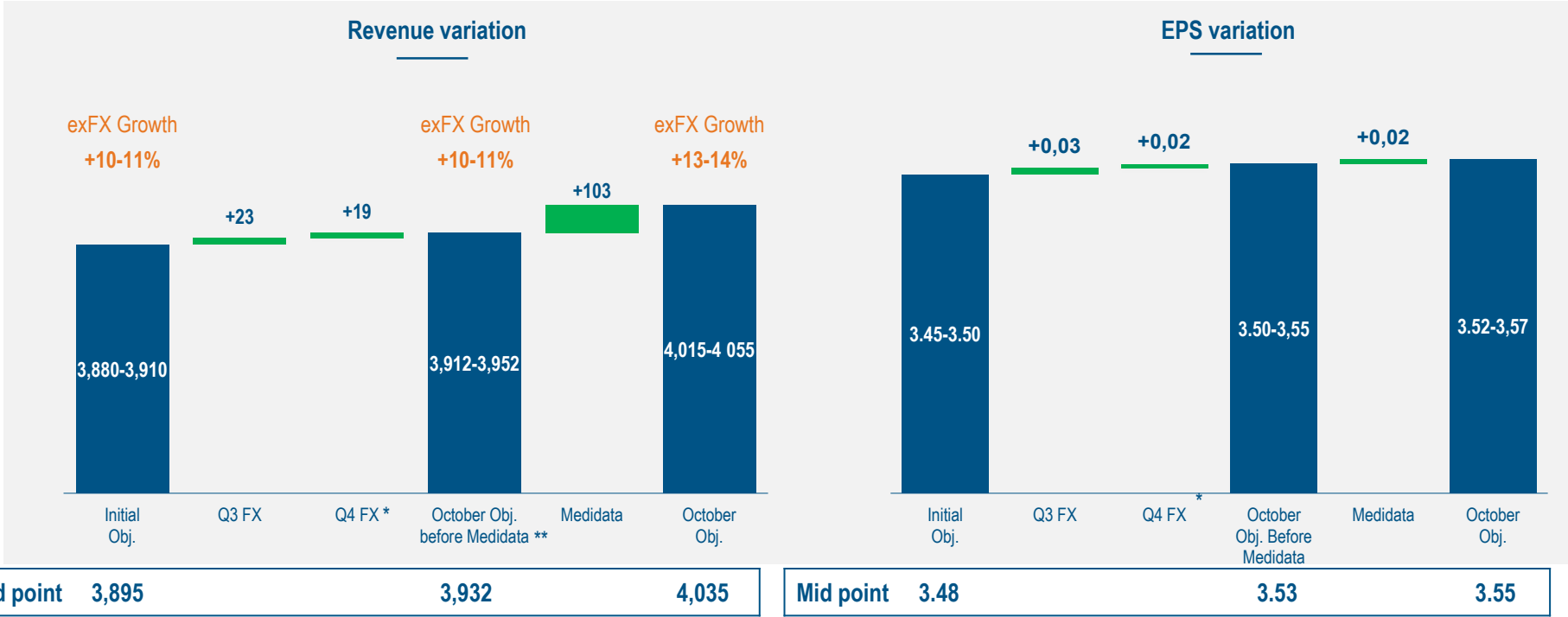
Agenda

Q3 & YTD 2019 Highlights

Q4 & FY 2019 Objectives

2019 Life Sciences Day

Objectives Changes from July to October Non-IFRS



* Q4 FX: from US\$1.20 per €1.00 in July to US\$1.15 per €1.00 in October

** Enlarging range to take into account the potential for continued volatility in licenses activity in Q4



Proposed Objectives* Non-IFRS

Q4 2019		FY 2019	
	Q4 2019		FY 2019
Software +15-19% exFX		Revenue (M€)	4,015-4,055
Licenses +0-5% exFX	1,172-1,212	Growth	+15-16%
Recurring +25-28% exFX	+14-18%	Growth ex FX	+13-14%
	+15-19%	Operating Margin	~32%
	33.0-33.5%	Operating Margin Growth	stable
	-3.5 to -3 pts	EPS (€)	3.52-3.57
	1.05-1.10	EPS Growth	+13-14%
	-1 to 4%	€/\$ rates	1.13
	1.15	€/¥ rates	123.2
	125.0		

Software: +12-13% exFX

Licenses: +6-8% exFX

Recurring: +15-16% exFX

Organic operating margin increase:
~ +100 basis points exFX and excluding IFRS16 benefit

Tax rate of ~28.3%

* Including Medidata assuming two-month contribution period

Agenda

Q3 & YTD 2019 Highlights

Q4 & FY 2019 Objectives

2019 Life Sciences Day

Health & Wealth

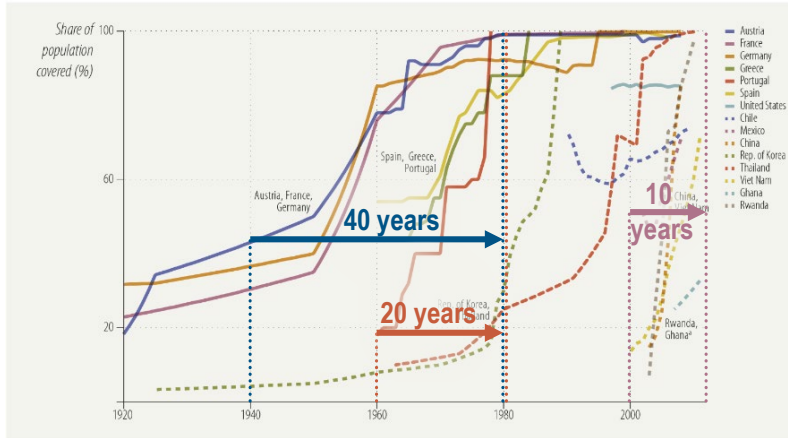


Time for a Decisive Breakthrough

Health Progress: Access to Healthcare

Today: 50% ⁽¹⁾ | 2030 objective: 100% ⁽¹⁾

Evolution of Health Protection Coverage⁽²⁾
as a percentage of total population in selected countries

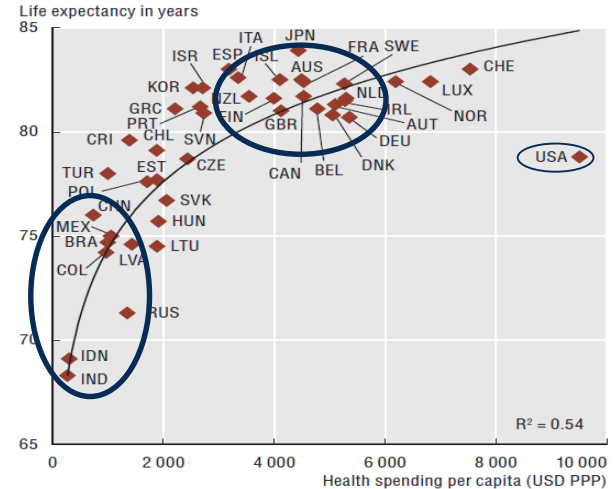


¹ Estimated.
Source: ILO 2011b.

Health Spending: per Capita

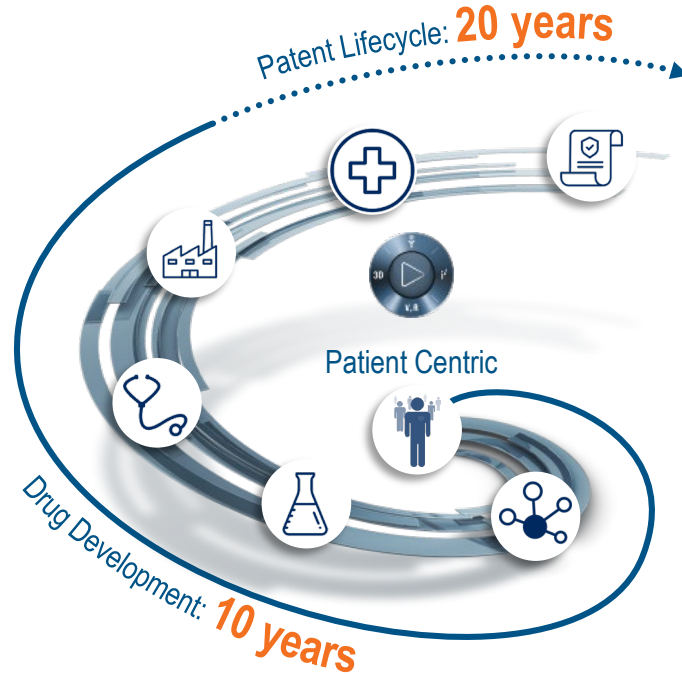
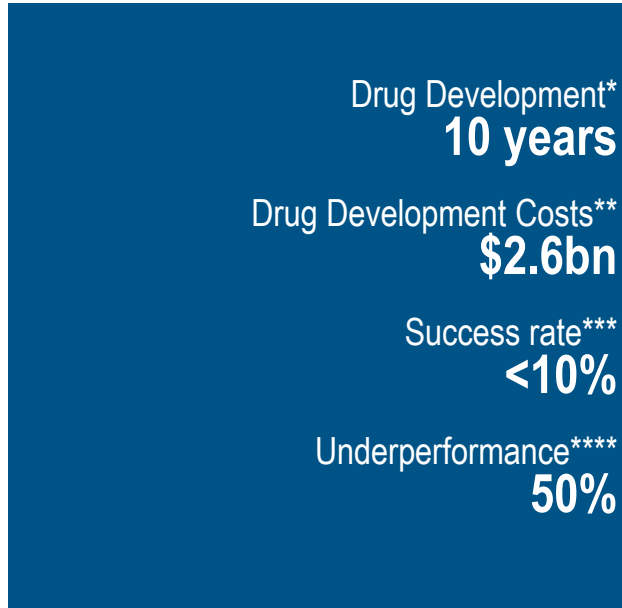
Today: \$1,000 ⁽¹⁾ | 2040: \$3,000 ⁽²⁾

Life Expectancy at Birth and Health Spending per Capita ⁽³⁾



- (1) <https://apps.who.int/iris/bitstream/handle/10665/276728/WHO-HIS-HGF-HF-WorkingPaper-18.3-eng.pdf?ua=1>
- (2) [https://www.thelancet.com/action/showPdf?pii=S0140-6736\(17\)30873-5](https://www.thelancet.com/action/showPdf?pii=S0140-6736(17)30873-5)
- (3) https://www.oecd-ilibrary.org/social-issues-migration-health/health-at-a-glance-2017_health_glance-2017-en

Help Health Innovators Power Smarter Treatments and Healthier People



* Biopharmaceutical Research & Development: The Process Behind New Medicines, PhRMA, 2015 (page 4)

** Tufts Center for the Study of Drug Development, November 2014 (slide 5)

*** Clinical Development Success Rates 2006-2015 (page 7), BIO, Biomedtracker, Amplion

**** Bain report, September 2017

Unique Integrated Business and Scientific Platform

Made to Cure

Accelerate market launch and maximize return on investment



Launched to Cure



Manufacturing

License to Cure

Accelerate therapeutic development, approval, manufacturing, and supply, in a global landscape



Commercialization

Clinical Testing

Clinically Approved



Research & Discovery

Designed to Cure

Speed time to market with higher quality novel therapeutics



Preclinical Development

ONE Lab

Optimize your laboratories and leverage knowledge to improve time to market



Dassault Systèmes

Medidata Solutions

A Fragmented Market



Made to Cure
Accelerate market launch and maximize return on investment



Manufacturing



Launched to Cure




Commercialization




License to Cure
Accelerate therapeutic development, approval, manufacturing, and supply, in a global landscape




Clinical Testing




Clinically Approved



Preclinical Development



ONE Lab
Optimize your laboratories and leverage knowledge to improve time to market



Research & Discovery



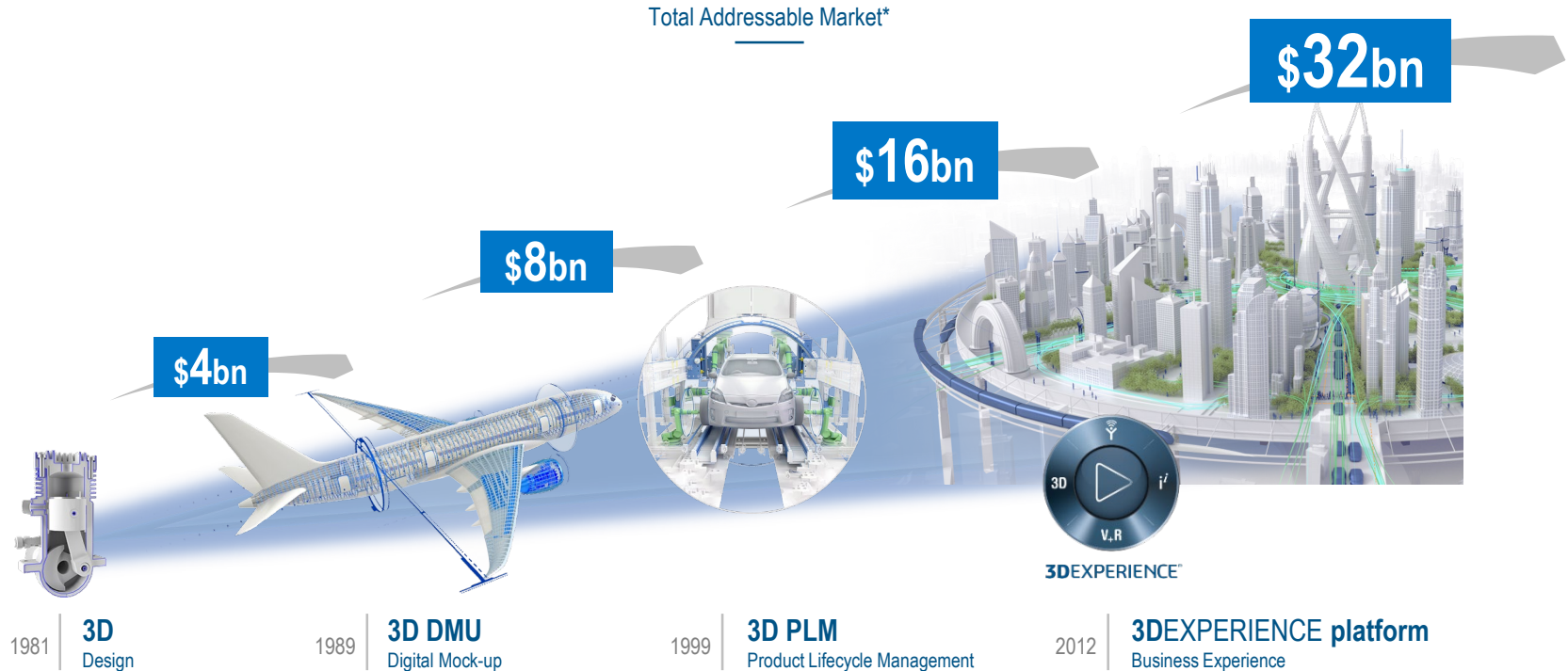
Designed to Cure
Speed time to market with higher quality novel therapeutics



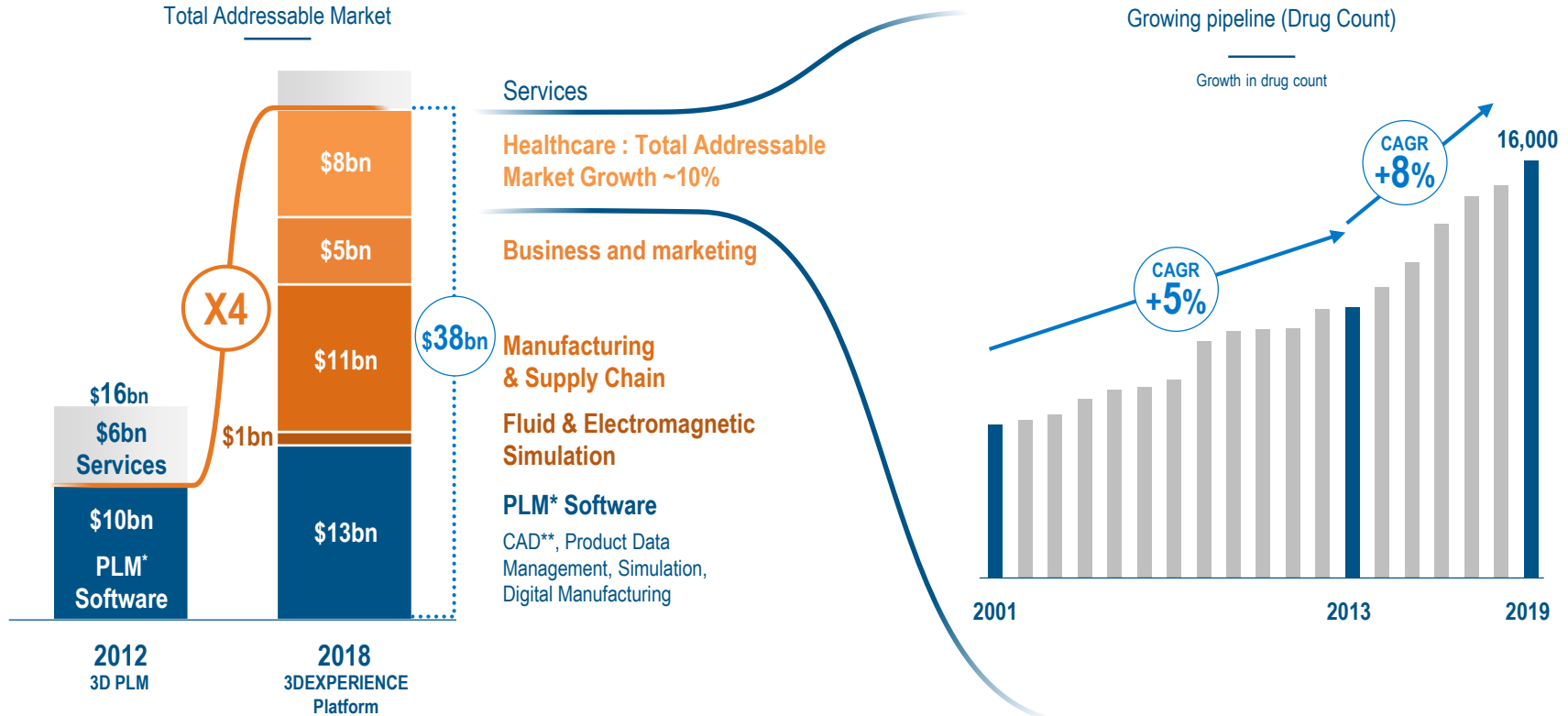

 Dassault Systèmes

 Medidata Solutions

Doubling Addressable Market at Each Key Step



Market Expansion with 3DEXPERIENCE



* Product Lifecycle Management. ** Computer-Aided Design.
Source for active pipeline: Pharamaprojects, January 2019

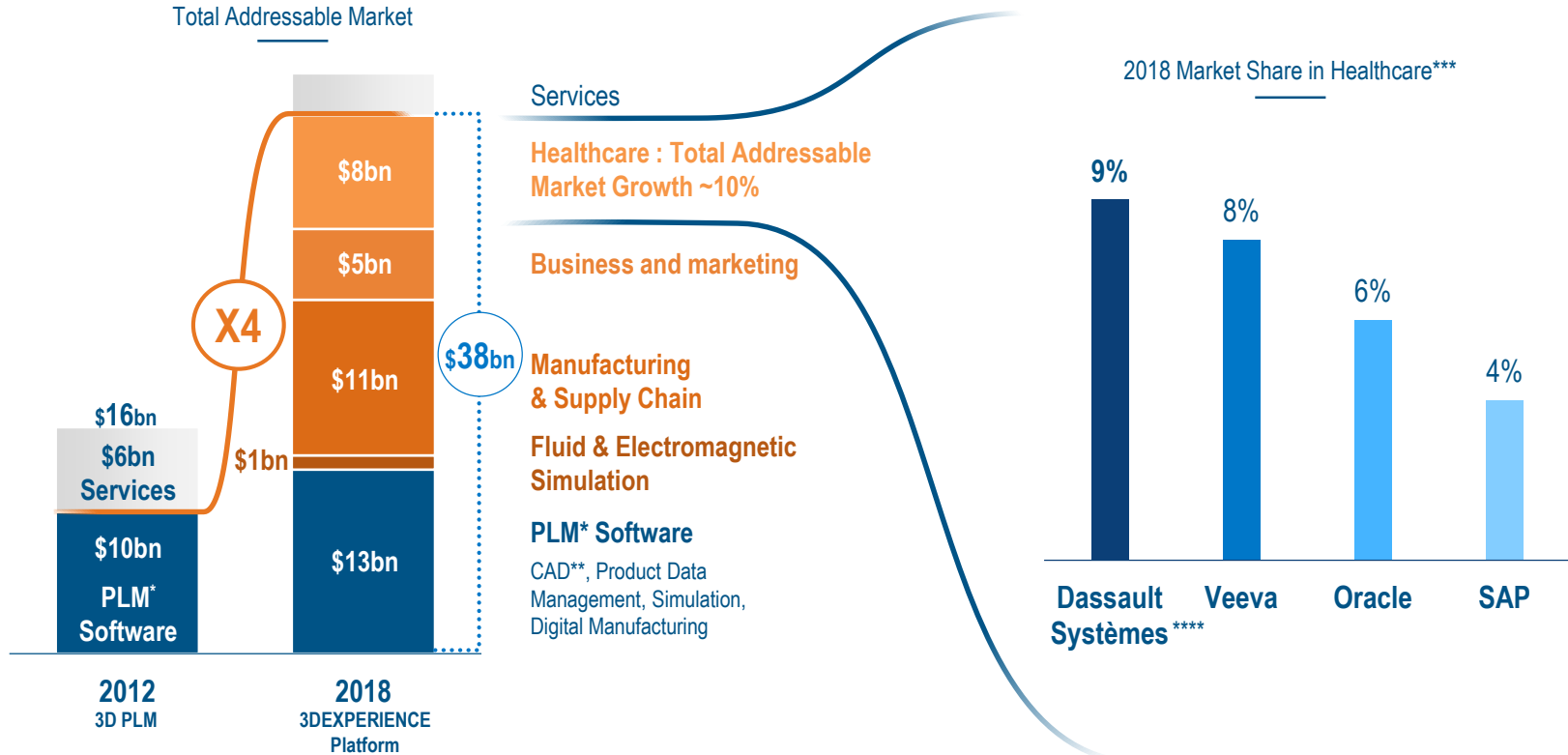
Healthcare Market Breakdown by Value Streams



Dassault Systèmes
 Medidata Solutions

TAM* for Healthcare: **\$8bn**
Up ~10%

Market Expansion with 3DEXPERIENCE



* Product Lifecycle Management. ** Computer-Aided Design.

*** Dassault Systèmes + Gartner's WW Life Sciences & Healthcare products total software market + IDC 2019 SW vendors' revenue **** Dassault Systèmes + Medidata

Dassault Systèmes + Medidata

Medidata
to operate as a 3DS brand



Powering Smarter Treatments
and Healthier People

Life Sciences
New Core Industry



~20% of combined
software revenue*

Dedicated
Go-to-market

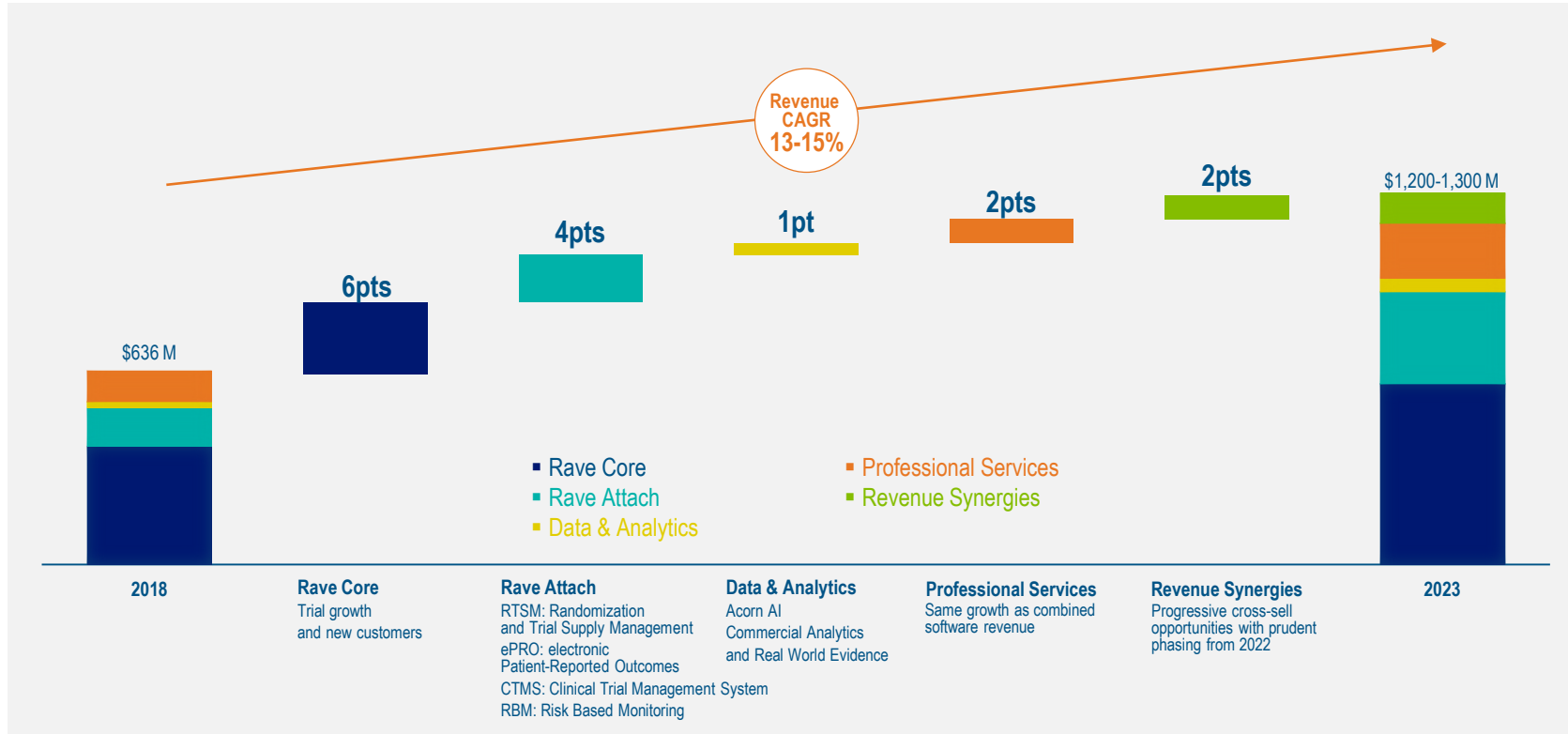


To address
4,500 companies
in pharma
and **50,000** in medical
devices

Resiliency: recurring share in software revenue **+5 points** *

Medidata Revenue Growth

Revenue Synergies				
2019	2020	2021	2022	2023



Medidata Operating Margin Evolution

Costs Synergies

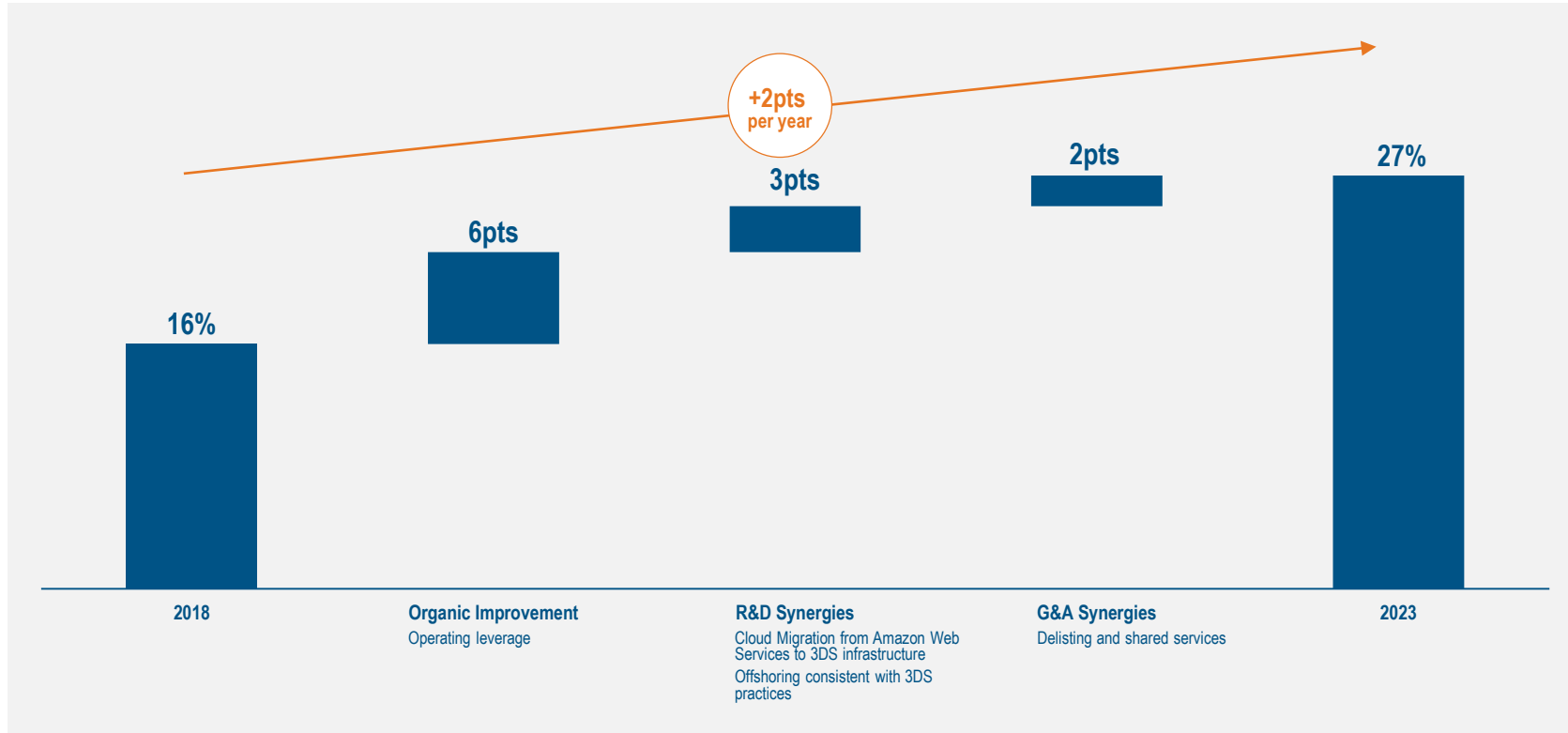
2019

2020

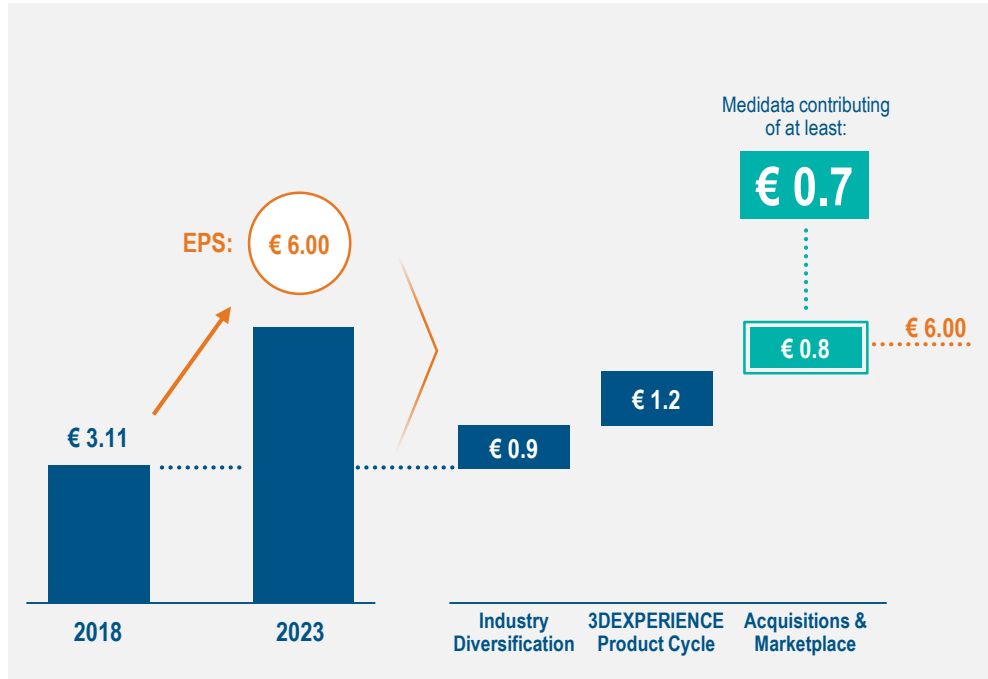
2021

2022

2023



Medidata Contribution to 5-Year Plan of Doubling EPS



ASSUMPTIONS

Medidata Revenue CAGR

+13-15%

Medidata Operating Margin Evolution

+2pts / Year

- ▶ In spite of the dilutive impact of the Medidata acquisition, FY Dassault Systèmes operating margin to remain above 30% over 2019-2023
- ▶ Objective of Net debt to EBITDA ratio around 1x over time across the investment cycle
- ▶ Other assumptions unchanged compared to June 2018



LIFE SCIENCES DAY

