

CAPITAL MARKETS DAY

JUNE 14-15, 2018 | PARIS CAMPUS, FRANCE



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Bouygues Construction

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CAPITAL MARKETS DAY

JUNE 14-15, 2018 | PARIS CAMPUS, FRANCE



3DEXPERIENCE®

**3DEXPERIENCE Value |
Architecture,
Engineering &
Construction:
Bouygues**

The background of the slide is an aerial photograph of a city skyline at sunset. The sky is a mix of light blue and orange, with the sun low on the horizon. Numerous skyscrapers and buildings are visible, some with distinctive architectural features like curved facades or glass facades reflecting the light. The overall scene is a dense urban environment.

*Construction data from products and projects are
sources of innovation and value creation.*

The background of the slide is an aerial photograph of a city skyline at sunset. The sky is a mix of light blue and orange, with the sun low on the horizon. Numerous skyscrapers and buildings are visible, some with distinctive architectural features like curved facades or glass facades reflecting the light. The overall scene is a dense urban environment.

*The digital transformation of
Bouygues Construction projects activities*

Agenda

Bouygues Construction

Our Challenges

The Digital Transformation Of Bouygues Construction Projects Activities

Why Dassault Systèmes & Accenture ?

Project Status

Questions & Answers



Shared **innovation**

BOUYGUES CONSTRUCTION



BUILDINGS



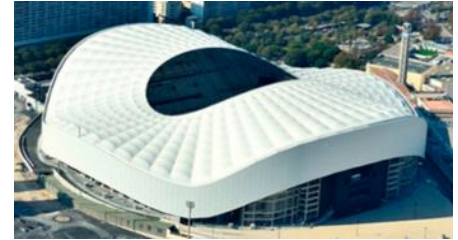
CIVIL
WORKS



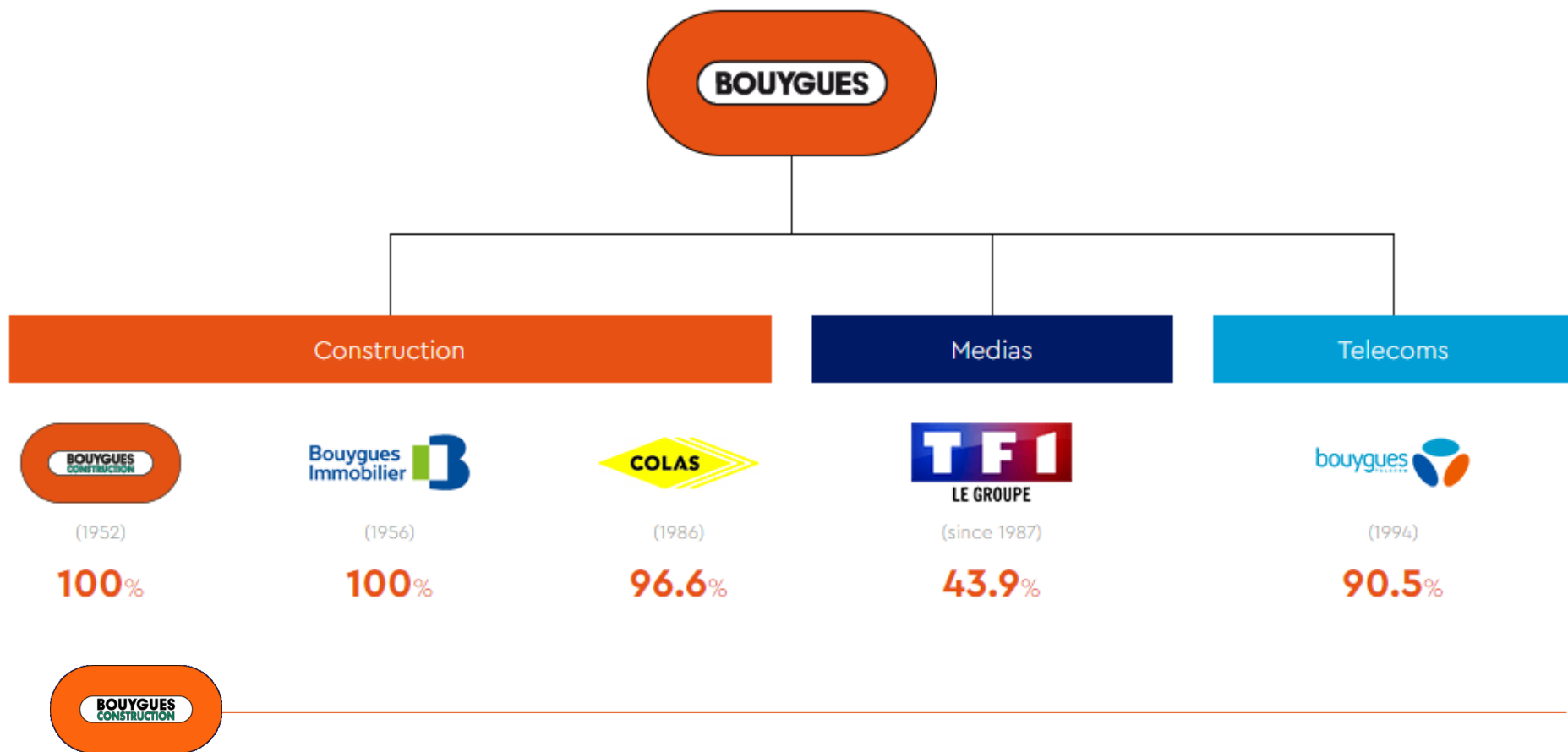
ENERGIES
AND SERVICES



CONCESSIONS



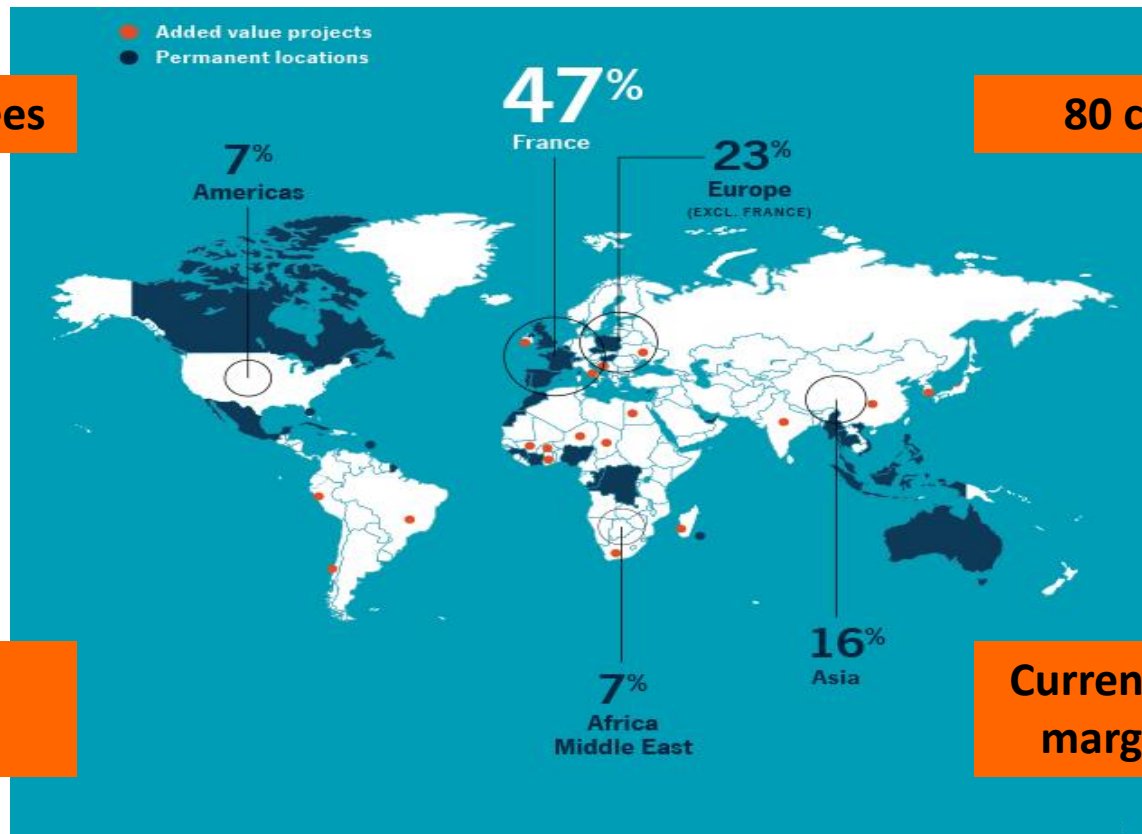
BOUYGUES CONSTRUCTION



BOUYGUES CONSTRUCTION

47.350 employees

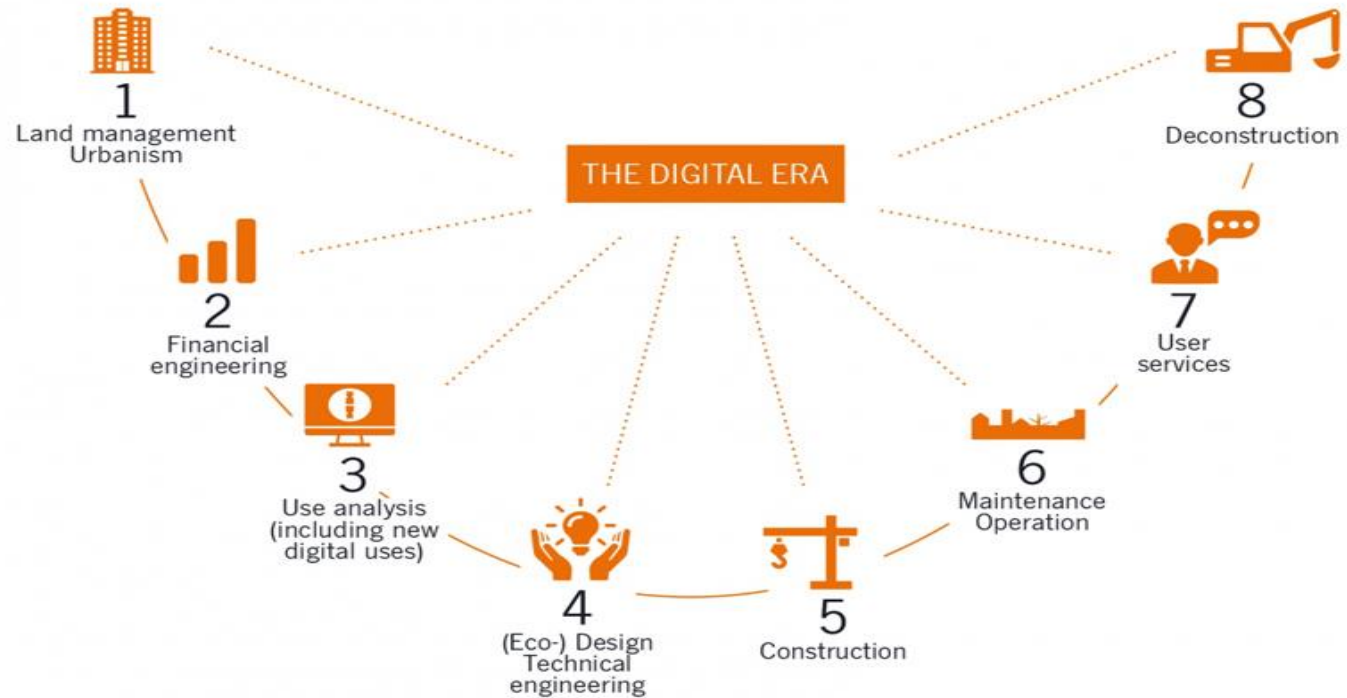
80 countries



2017 Sales
= 11,7 B€

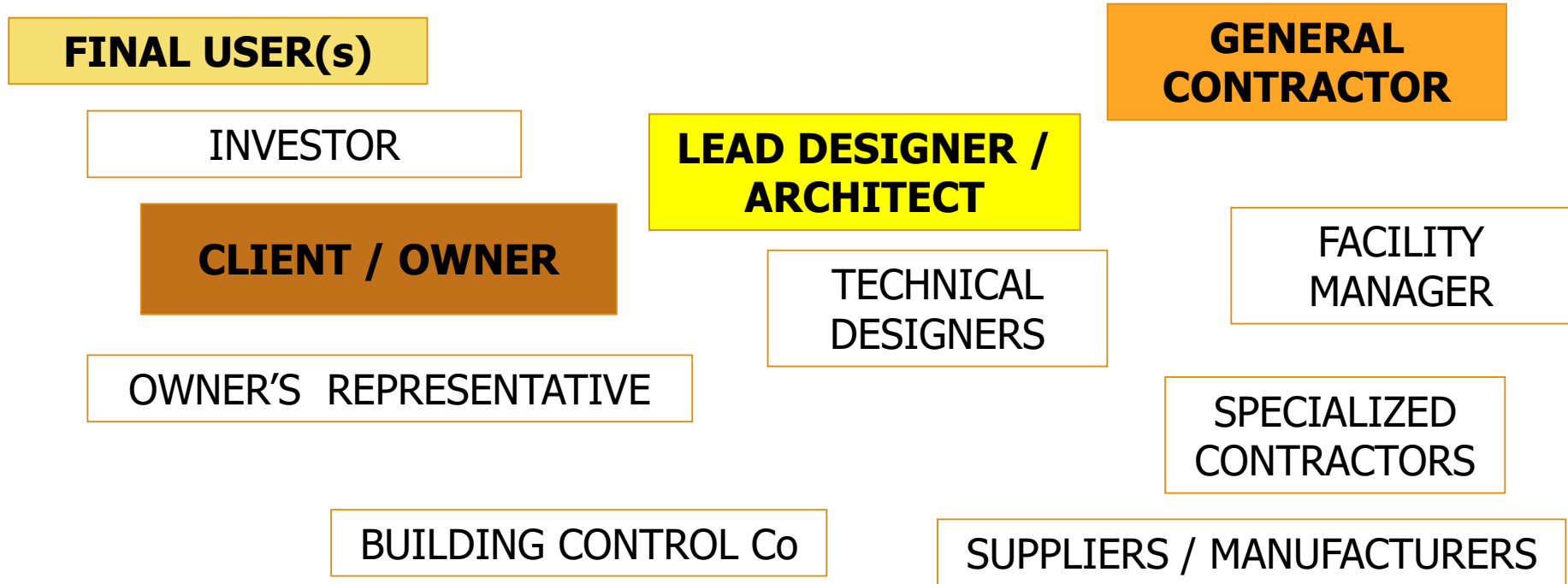
Current operating
margin = 3,1 %

Covering every stage of the construction value chain



Construction : a very scattered industry

Many players involved around a project



Our Challenges : business challenges



Improve our
efficiency
Strengthen our
competitiveness



Better manage the
growing complexity
of our projects



Integrate the
digital revolution
In our businesses

Our Challenges : stories told by our staff

Construction manager



Draftswoman



Business development
engineer



Cost controller



Quality assurance manager



Trainee engineer



Our Challenges : stories told by our staff

Construction manager

Better
traceability of
information

Draftswoman

Improvement of
documents control

Business devt engineer

Interfacing
between softwares
Is necessary

Cost controller

Need for assistance
in the creation
of dashboards

Quality assurance manager

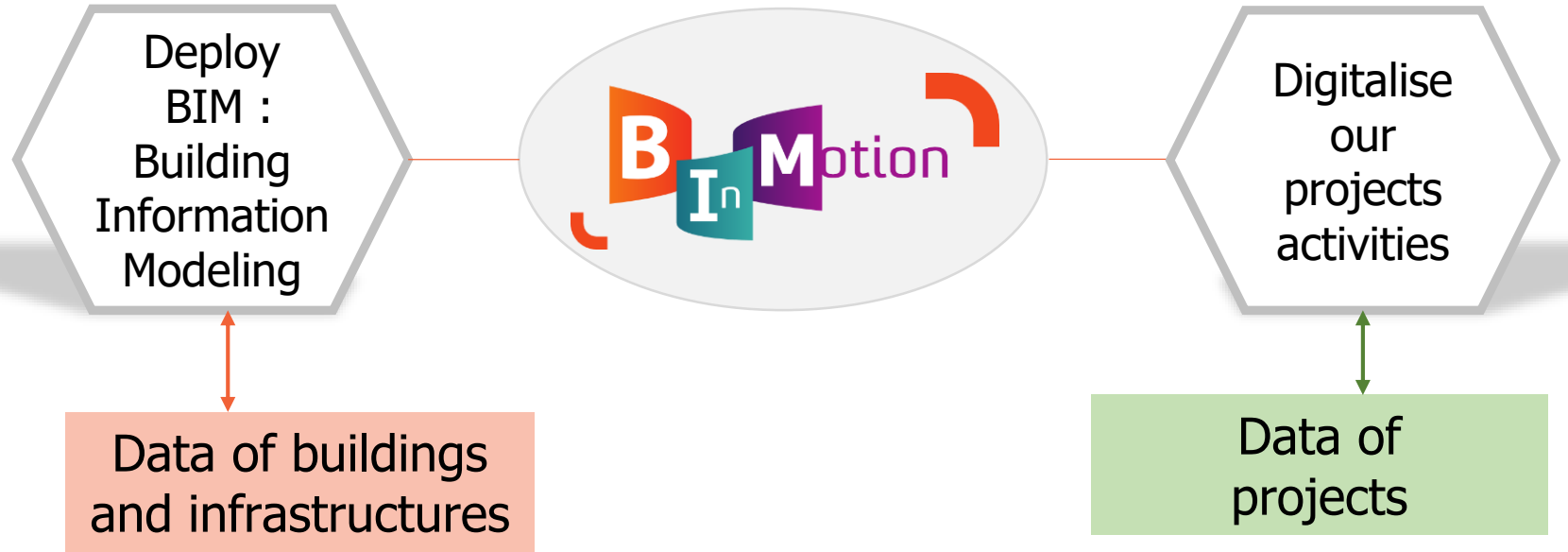
Continuous follow-up
of clients
requests for changes

Trainee engineer

Wish of mobile
interfaces

The Digital Transformation Of Bouygues Construction Projects Activities

Bouygues Construction launched in 2014 the B In Motion project



The Digital Transformation Of Bouygues Construction Projects Activities

Our objectives

Develop a digital environment to collaboratively manage construction projects

Support a better collaboration with our supply chain

Make use of the whole of our projects data horizontally across the company

Support the evolution towards an industrialisation of our businesses and a wider internal standardisation

accenture



Shared innovation

DASSAULT
SYSTEMES

The 3DEXPERIENCE® Company



Christian NIBOUREL



Philippe BONNAVE



Bernard CHARLES

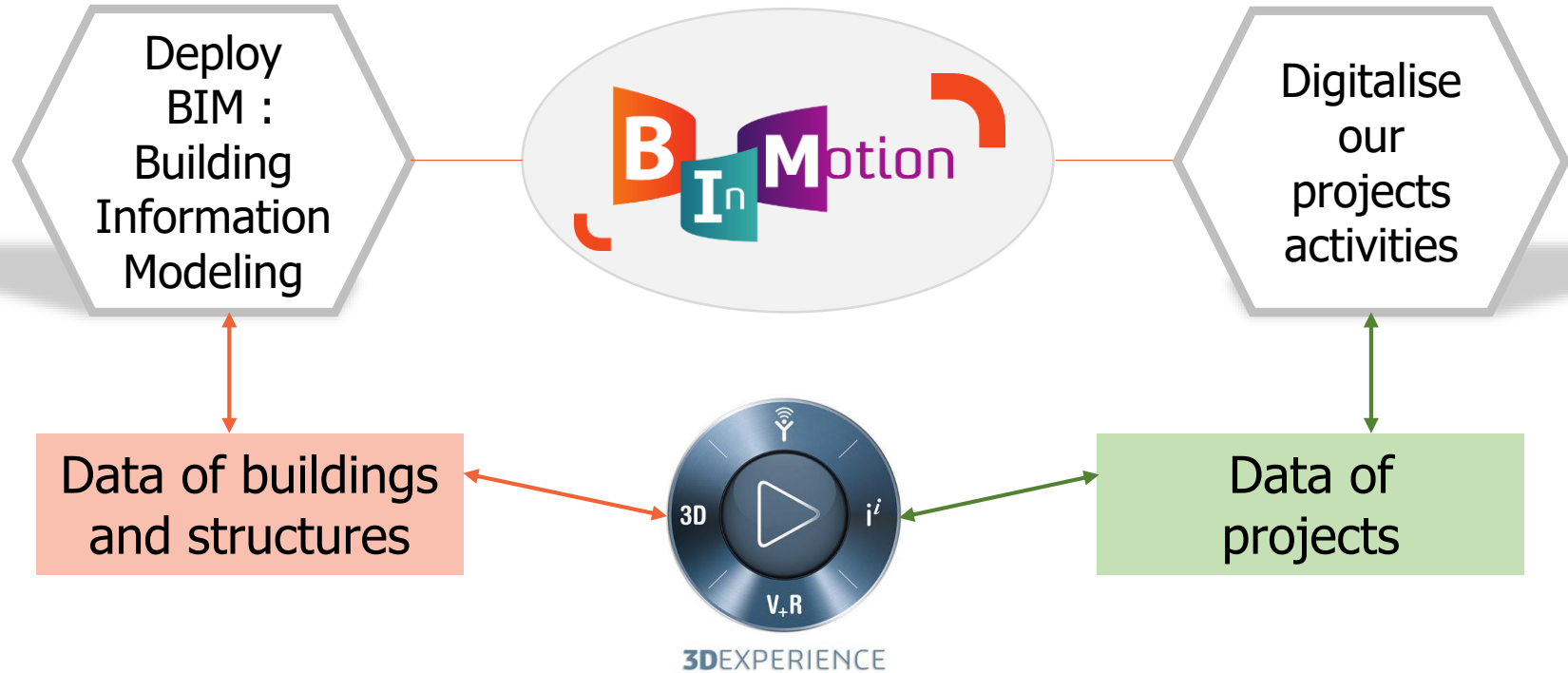
Why Dassault Systèmes & Accenture ?

- Strong value expected from a common collaborative platform
- 3DEXPERIENCE: more than a PLM solution and better adapted to the diversity of our projects activities
(from Engineering to Construction to Maintenance Operation to Deconstruction)



- 3DEXPERIENCE references in other industries
- Strong commitment on construction / Industry approach + long term vision (3DEXPERIENCECity for City data management)
- Understanding of our needs by Dassault Systèmes / Accenture
- Proximity
- Partnership

The digital transformation of Bouygues Construction projects activities



The digital transformation of Bouygues Construction projects activities

Use cases bringing value to projects



REQUIREMENTS

ACTIVITIES
AND EVENTS

BIM MODELS

DOCUMENTS



The digital transformation of Bouygues Construction projects activities

Use cases bringing value to the company



Simplify &
standardize
current business
processes



LEAN



Massify
purchasing
activities



COST EFFICIENCY



Provide a
consolidated &
transversal
project view to the
management



DASHBOARDING

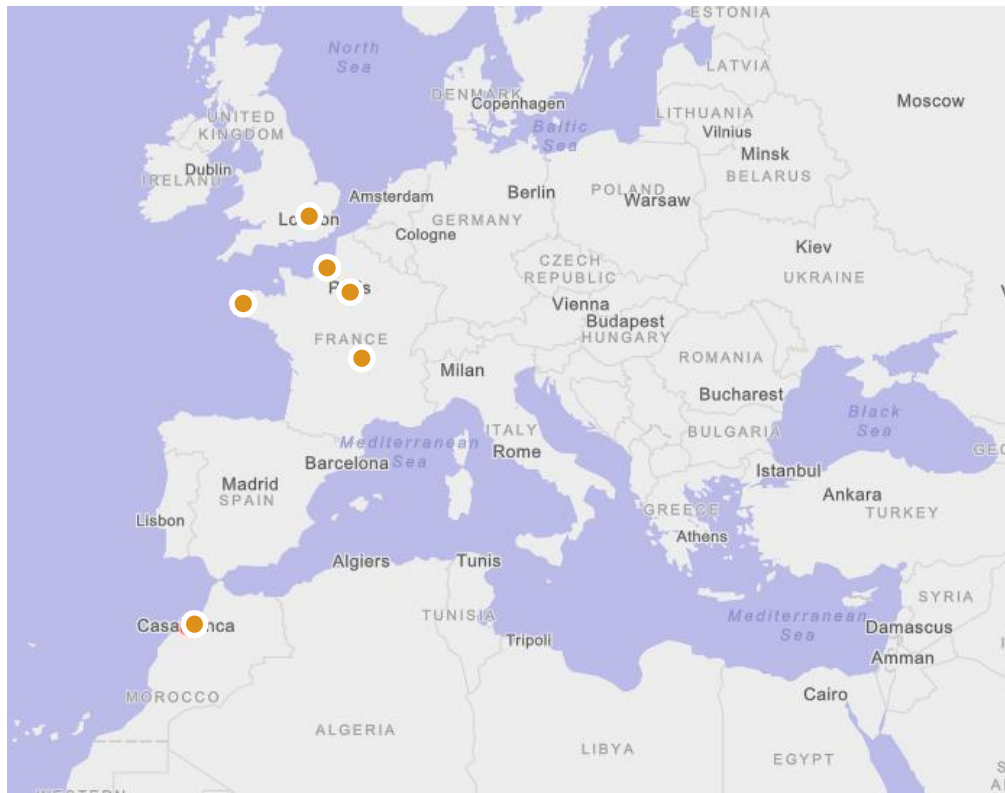
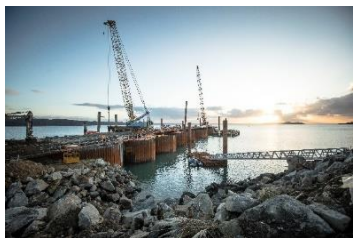


Provide access to
other projects data
to draw on
company collective
intelligence



**KNOWLEDGE
SHARING**

Project Status



3DEXPERIENCE Platform | Hôpital du Benin

https://exp-3ddashboard.bouygues-construction.com/3ddashboard/#dashboard:a11e13c2-f4d1-44...

3DEXPERIENCE | 3DDashboard Hôpital du Benin

3D V.R.

Mes rôles/Mon profil

Mes apps favorites

Mes apps Information Int...

3DDashboard

Calculator

Détails

Feed Reader

Image

Infos

Mail

Map

Media Links

New Tab

Infos - Généralités

Nom du programme [PROGRAMME HOSPITALIER BENIN]

Nom CHU Abomey Calavi

Description Réalisation d'un hôpital de 416 lits / 40

Sommaire 296 m2 SHO

Responsable commercial EBN

Responsable chantier

Responsable Juridique

Pays Benin_republique

Mode de consultation

Image - CHU Abo...

Map

Satellite

Google

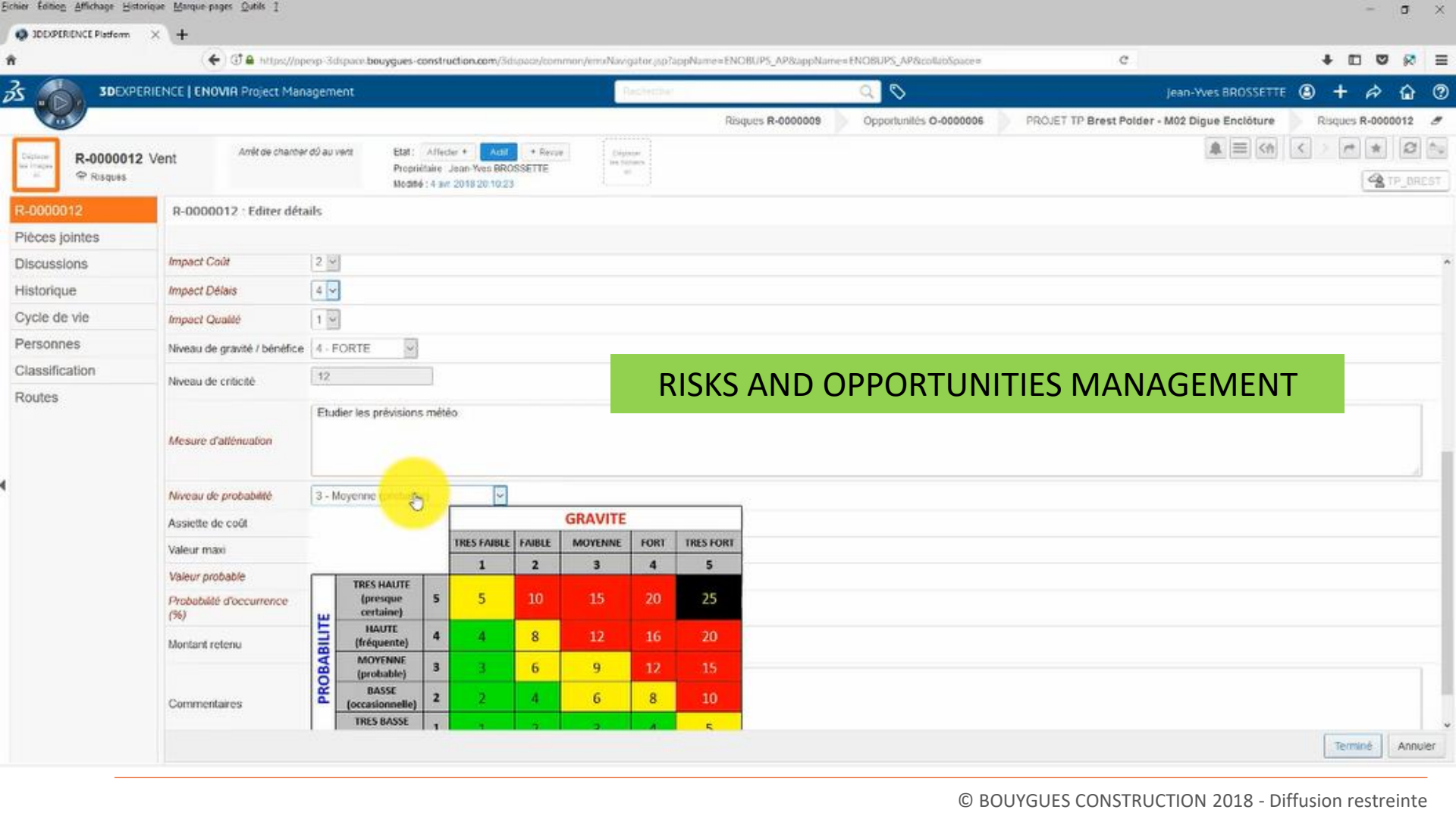
Données cartographiques

Conditions d'utilisation

« DIGITAL BID » : BID PHASE MANAGEMENT

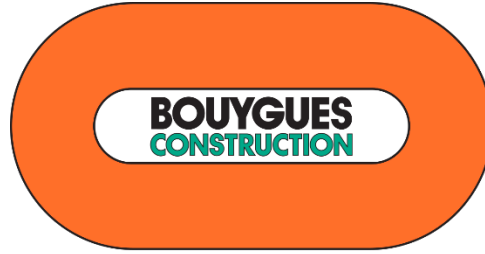
A propos de 3DEXPERIENCE Platform

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RISKS AND OPPORTUNITIES MANAGEMENT

		GRAVITE					
		TRES FAIBLE	FAIBLE	MOYENNE	FORT	TRES FORT	
			1	2	3	4	5
PROBABILITE	TRES HAUTE (presque certaine)	5	5	10	15	20	25
	HAUTE (fréquente)	4	4	8	12	16	20
	MOYENNE (probable)	3	3	6	9	12	15
	BASSE (occasionnelle)	2	2	4	6	8	10
	TRES BASSE	1	1	2	3	4	5



The **3DEXPERIENCE**® Company

