CAPITAL MARKETS DAY CONSTRUCTION BUSINESSES

PARIS - 2 OCTOBER 2018 PRESENTATION

Making progress become reality



AGENDA BE A LEADER IN ECO-NEIGHBORHOOD AND SMART CITIES 10.40 ECO-NEIGHBORHOOD : TWO COMPLEMENTARY APPROACHES E. Desmaizières, Managing Director, Urbanera, Bouygues Immobilier 8.00 COFFEE AND DEMOS P. Minault, Managing Director, Property Development, Bouygues 11.00 SMART CITY **WELCOME & INTRODUCTION** F. Pitti, Director Prospective & Strategic Marketing, Bouygues Construction 8.30 O. Roussat, Deputy CEO, Bouygues 11.15 **SMART MOBILITY – SMART ROAD** F. Gardes, EVP, International, Colas CONSTRUCTION BUSINESSES' STRATEGY Q&A 11.30 8.40 **BOUYGUES CONSTRUCTION** P. Bonnave, Chairman & CEO 11.50 INNOVATION IN THE CONSTRUCTION BUSINESSES 9.00 **BOUYGUES IMMOBILIER** F. Bertière, Chairman & CEO C. Liénard, Group Chief Innovation Officer, Bouygues ML. Godinot, EVP Digital Transformation, Innovation and Sustainable 9.20 COLAS **Development, Bouygues Construction** H. Le Bouc, Chairman & CEO M. Guizol, BIMbyCO, Colas N. Watine, EVP, Digital Transformation & HR, Bouygues Immobilier MAXIMIZE THE VALUE OF INDUSTRIAL ASSETS 12.15 Q&A 9.45 **BITUMEN AND QUARRIES AT COLAS** L. Gabanna, EVP, Colas North America CONCLUSION T. Méline, EVP, Colas France - Railways 12.30 P. Marien, Deputy CEO, Bouygues 10.05 **0&A** 12.45 COCKTAIL AND DEMOS **COFFEE BREAK AND DEMOS** 10.20 BOUYGUES

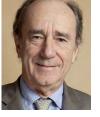
TODAY'S SPEAKERS





Olivier Roussat Group deputy CEO

Philippe Marien Group deputy CEO



Hervé Le Bouc Chairman & CEO. Colas



François Bertière Chairman & CEO, **Bouygues** Immobilier



Philippe Bonnave Chairman & CEO, **Bouygues Construction**



Louis Gabanna EVP. Colas North America



Thierry Méline EVP, Colas France



Pascal Minault Managing Director, Property Development, Bouygues



Emmanuel Desmaizières Managing Director, Urbanera, Bouygues Immobilier



François Pitti Director of Prospective & Strategic Marketing, **Bouygues Construction**

Frédéric Gardes

EVP International, Colas



Christophe Liénard Group Chief Innovation Officer



Marie-Luce Godinot EVP Digital Transformation. Innovation and Sustainable Development, Bouygues Construction



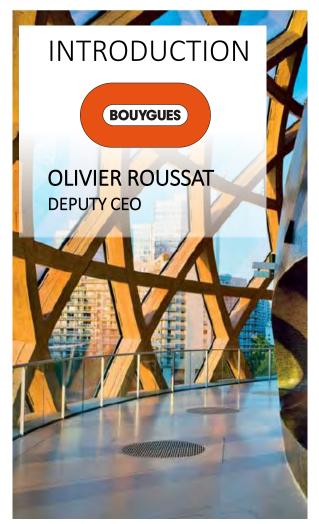
EVP Digital

Bouygues Immobilier



Maud Guizol BIMbyCO, Colas Transformation & HR,

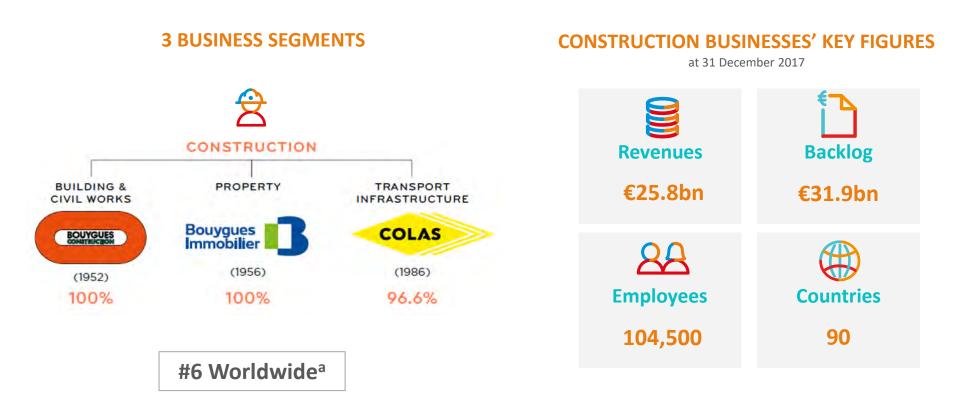








A MAJOR PLAYER IN FRANCE AND INTERNATIONAL MARKETS



5

BOUYGUES

(a) ENR The top 250 international contractors, August 2018 (excluding petroleum)

CONSTRUCTION BUSINESSES' KEY STRENGTHS

- 104,500 TALENTED AND COMMITTED EMPLOYEES
- HIGH VALUE-ADDED PRODUCTS AND SERVICES
- POSITIONED IN EACH STEP OF THE VALUE CHAIN
- STRONG AND SELECTIVE INTERNATIONAL PRESENCE
- RESILIENT BUSINESS MODEL



Zagreb international airport

104,500 TALENTED AND COMMITTED EMPLOYEES PEOPLE ARE OUR MOST IMPORTANT RESOURCE



RESPECT



CREATIVITY



EMPOWERMENT



EXPERTISE SHARING

7

HIGH VALUE-ADDED PRODUCTS AND SERVICES

- Worldwide recognized technical expertise and commitment to quality supporting strong brands
- Ability to accomplish complex and sophisticated projects (tunnels, high-rise buildings, bridges)
- Specific know-how in **sustainable construction**
- Offering services to **improve user experience** (mobility solutions, Nextdoor, smart city solutions)
- Supported by constant innovation (R&D, operational excellence, project financing, digitalization)



POSITIONED IN EACH STEP OF THE VALUE CHAIN

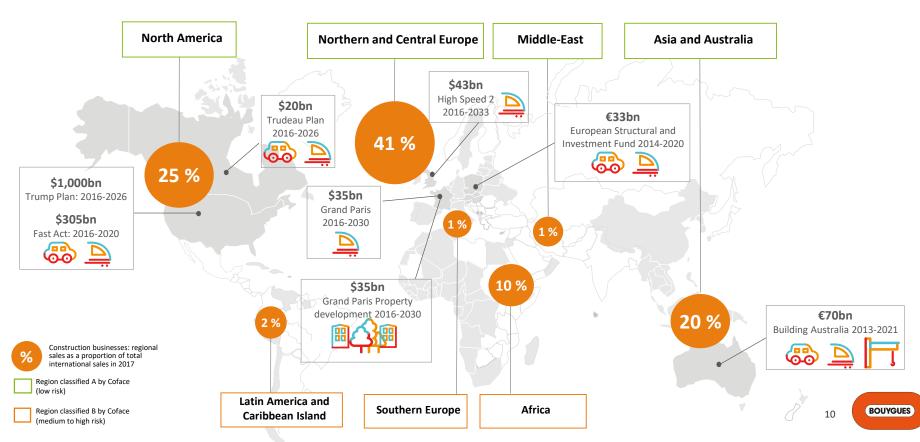
- Increase contract value and strengthen competitive positioning by covering the entire value chain
 - > Strengthen the long-term relationships developed with customers

- Source, integrate and manage external expertise to offer full-service solutions and provide the best to customers at each step of the value chain
 - > Know-how to manage a large ecosystem of partners of different sizes (from start-ups to large companies)



STRONG AND SELECTIVE INTERNATIONAL PRESENCE

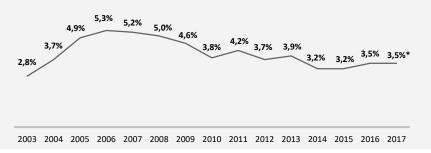
Bouygues is located in low-risk profile countries offering advantageous infrastructure plans



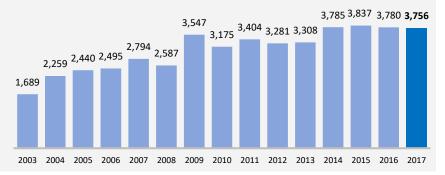
RESILIENT BUSINESS MODEL



Current operating margin



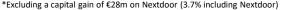
High net cash position (€ million)



- A highly variable cost structure: between 60 to 100% variable costs depending on countries and projects
- Recurring FCF generation:

~€580m a year on average since 2003





4 MEGA TRENDS SOURCES OF OPPORTUNITY





CONSTRUCTION BUSINESSES' STRATEGIC PRIORITIES

- Control key resources
- Be a market leader for construction and renovation of buildings and infrastructure
- Help customers control energy consumption and design less carbon-intensive construction methods
- Lead the market for urban design and development from individual housing unit, to the neighborhood and to smart city
- Offer customers an enhanced personalized experience and scalable products that can adapt to changing needs



New Littoral Road – La Réunion – France

GROUP CONSTRUCTION ACTIVITIES POSITIONING







CONTENTS

- WHO WE ARE
- STRATEGIC GUIDELINES
- STRATEGIC FOCUS IN OUR RESPECTIVE SECTORS
- PROSPECTS OF A NEW DIGITAL AREA

OUR SECTORS OF EXPERTISE

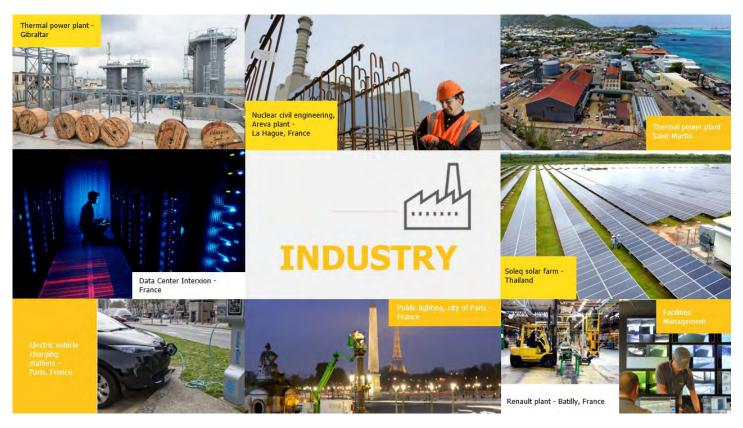




OUR SECTORS OF EXPERTISE



OUR SECTORS OF EXPERTISE



OUR PEOPLE: HEALTH AND SAFETY OUR FIRST PRIORITY

47,350 employees



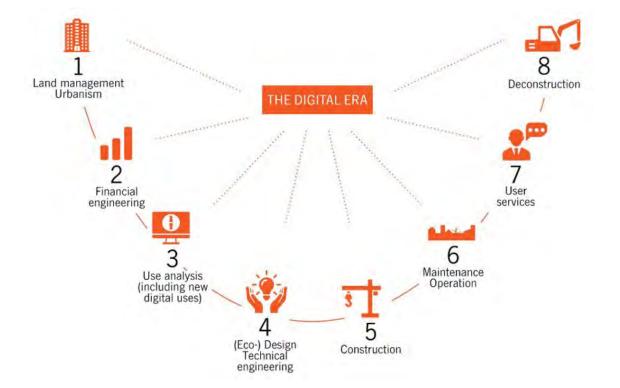
26% women & 74% men

WE'RE ALL BOUYGUES CONSTRUCTION



A GLOBAL CONSTRUCTION GROUP POSITIONED IN EVERY STEP OF THE CONSTRUCTION VALUE CHAIN

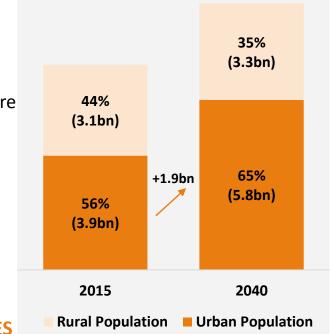
A RESPONSIBLE AND COMMITTED LEADER IN SUSTAINABLE CONSTRUCTION



BOUYGUES

POSTIVE TRENDS IN OUR MARKET

Anticipated evolution of the world population



• **BUILDING**

- Digitalization allowing numerous innovations
- Construction process more and more industrialized

• INFRASTRUCTURE

- Increasing urbanization leading to growing needs for infrastructure
- Strong needs for high-speed optical fiber networks worldwide
- Aging infrastructure implying increasing needs for repairs

• INDUSTRY

- Added value of services in the industrial process rather than in the building
- Increasing needs for industrial maintenance with robotics and automation

DIGITALIZATION BECOMES KEY TO OPTIMIZE ALL OUR ACTIVITIES

STRATEGIC PRIORITIES

- Act as a global player in stable countries with a low risk profile where we have a long-established presence
- Develop exceptional projects with local partners in our domains of expertise
- Pursue the rebalancing of our activities towards energies & services



La Seine Musicale – Boulogne – France



Chernobyl Arch – Ukraine

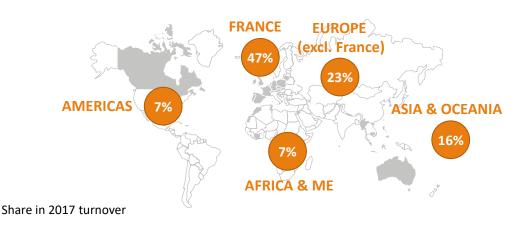


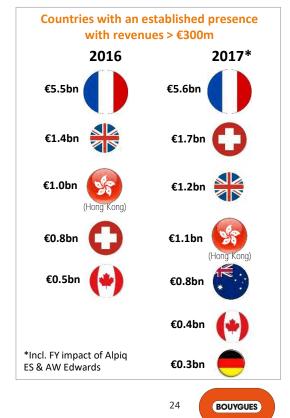
Usine Hexcel – Roussillon - France



ACT AS A GLOBAL PLAYER IN STABLE COUNTRIES WITH LOW RISK PROFILE WHERE WE HAVE A LONG-ESTABLISHED PRESENCE

- Target high value projects while taking a highly selective approach
- Deploy the **full scope of our activities** (Infra. / Building / Industry)
- Strengthen our market positions through innovative offers
- Pursue external growth when relevant and value-creating





DEVELOP EXCEPTIONAL PROJECTS WITH LOCAL PARTNERS IN OUR DOMAINS OF EXPERTISE

- Leverage our strong expertise of large projects with exceptionally high complexity
- Address local markets with reliable and well-established local partners or other major international competitors



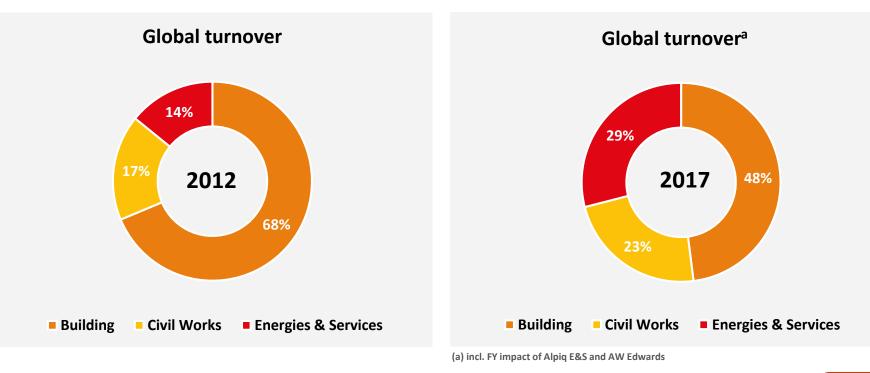
Zagreb international airport – Croatia

Chernobyl Safe Confinement Arch – Ukraine

Miami Brickell Center – United States



PURSUE THE REBALANCING OF OUR ACTIVITIES TOWARDS ENERGIES & SERVICES



BOUYGUES

POSITION AND SCOPE OF ACTIVITIES IN ENERGIES & SERVICES

• **POSITION**

- A global leader in **energy**, **digital** and **industrial** transformation
- Established presence in France, Switzerland, Canada, UK, Germany, Italy, Hong-Kong and Romania
- In the Top5 European players
- Export capabilities worldwide

• SCOPE OF ACTIVITIES

- Design, install, operate, maintain, decommission a large range of infrastructures and facilities
- Provide a large scope of related services, from early stage concept engineering studies to Mecanical & Electrical, IT, civil works, automation, technical maintenance...
- In various environments: Energy, Infrastructure, Buildings, Industry, Telecom



France's first smart city in Dijon



Cutting-edge Stade-de-France security system



St-Martin's 27-MW turnkey thermal power plant



ENERGIES & SERVICES IS A KEY DEVELOPMENT AREA

A MARKET WITH STRONG GROWTH PROSPECTS

- Smart cities
- Smart buildings / smart grids
- Smart industry

EXPANDING OUR PORTFOLIO OF SOLUTIONS

- An increasing importance of Energies & Services in the global construction projects (maintenance and operating services for instance)
- The differentiating capability to offer global and integrated solutions answering the most complex needs

CONTRIBUTING TO HIGHER PROFITABILITY

- More recurring and more profitable business
- Development of services and solutions with high added-value



Upgrade of Addis Ababa's power network



Design & build of a 9,300sqm data center



Transformation of Paris-Bercy sport stadium



STRATEGIC FOCUS – BUILDING

REINFORCE OUR PROJECT DEVELOPMENT ACTIVITIES

- Offer more value to our clients through a global and differentiated project development approach :
 - > Offering the **widest range** of activities across the **construction value chain** (from land management to user services in some cases)
 - > Representing 26% of our Building revenues in 2017, aiming to reach 40% in the coming years
- Promote this approach in **all countries** where we have a long term presence
- Increase the scale of our offers from building to urban districts

STRUCTURE AND INDUSTRIALIZE ALL ASPECTS OF OUR BUILDING ACTIVITIES

- Improve efficiency and profitability through industrialized and lean construction processes
- Develop practices and expertise sharing across all Bouygues construction entities



in France in 2017



Residential

Serviced Accommodations



유연하다 2 800 units



STRATEGIC FOCUS – INFRASTRUCTURE

• STRATEGIC GOALS

- Remain a reference player in the major infrastructure markets
- Further strengthen and market our expertise in tunnels and in concessions and PPPs
- Strengthen our infrastructure repair activities as they meet a strong market need



RER Eole Extension - Paris



Roby 850, Liantang tunnel, Hong Kong



Exeter bridge repair project - UK



STRATEGIC FOCUS – INDUSTRY

- STRATEGIC GOALS
 - Enhance our skills and level of expertise in **industrial processes** and **maintenance**
 - Become an acknowledged player in **Industry 4.0** area
 - Pursue our development in **power generation** projects (especially solar farms) where we have a strong expertise





PROSPECTS OF A NEW DIGITAL ERA

• DIGITALIZE OUR OFFERS

- Capitalize on our expertise in the smart cities area
- Develop innovative offers in the smart building area

DIGITALIZE OUR ORGANIZATION

- Develop a **digital mindset** in every aspect of our activities
- Continue to digitalize our support functions
- Develop open innovation and data management across our organizations



Operational control cockpit, Dijon smart city project



BIM cabin, Luminy campus, Marseille



CONSTRUCTION BUSINESSES STRATEGY



FRANÇOIS BERTIERE, CHAIRMAN & CEO

BOUYGUES IMMOBILIER, "CREATEUR DE MIEUX VIVRE"^a

- A leading French property developer in residential, commercial and sustainable neighborhood
- A constant **development since 1956**
- Unique know-how in sustainable property development
- Diversification in new businesses to suit new customer uses



BOUYGUES IMMOBILIER OPERATES ON THE ENTIRE REAL ESTATE VALUE CHAIN, FROM BUILDING TO NEIGHBORHOOD



BOUYGUES IMMOBILIER STRENGTHS AND ASSETS

EXTENSIVE GEOGRAPHIC COVERAGE IN FRANCE

WIDE AND DIVERSIFIED RANGE OF INNOVATIVE PRODUCTS AND SERVICES ADAPTED TO NEW USAGES

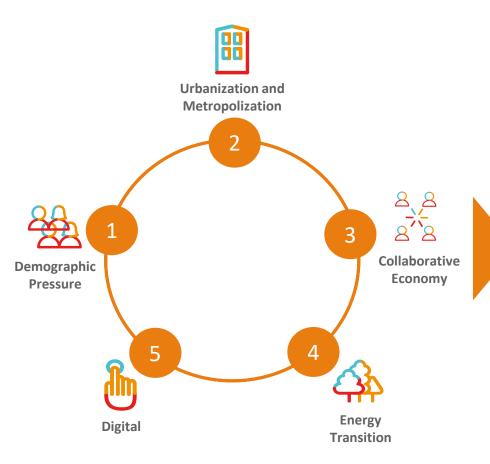
- Residential: affordable, intermediate and premium housing for owner-occupiers, buy-to-let properties, student and senior citizen accommodation, single-family home, co-living
- Commercial property products : turnkey buildings, Green Office[®] positive-energy office buildings, Rehagreen[®] office building rehabilitation and Nextdoor collaborative workspaces

ACKNOWLEDGED EXPERTISE IN SUSTAINABLE NEIGHBORHOODS

- 4 eco neighborhoods already delivered and 16 under development
- A ROBUST BUSINESS MODEL THAT PRIORITIES RISK MANAGEMENT AND GUARANTEES
 A HEALTHY FINANCIAL STRUCTURE
 - Land portfolio offering 2 to 3 years visibility
 - Majority of land reserved as an option
 - Purchase of the land only when achieve at least 30% of pre-sales



A STRATEGY RELYING ON 5 MEGA TRENDS



3 STRATEGIC PRIORITIES



1. Leader in customer experience, focused on usage





2. From single buildings to neighborhoods

3. Digital transformation



STRATEGIC PRIORITIES IN RESIDENTIAL

Maintain leadership by enhancing customer experience

- Development in large French cities to improve market share gradually, notably with accelerating in Grand Paris area
- Propose differentiated and innovative offers to suit new usages
 - First developer to propose 100% connected and intelligent homes (Flexom, "Entre Voisin" App)
- Improve customer experience through digital and personalized approach
- Develop data utilization to offer more value added services to customers
 - > Managing and forecasting energy consumption tool inside the apartment
- Maintain a strict quality policy



D'une rive à l'autre program, Neuilly-sur-Seine, France



RESILIENT RESIDENTIAL MARKET IN FRANCE (1/2)

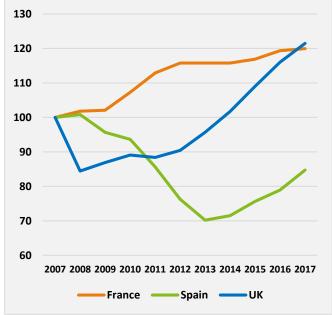
SPECIFICS OF THE FRENCH RESIDENTIAL MARKET

- VEFA scheme (sales before completion)
- Bank lending policies:
 - > Loans are granted according to the ability of a household to repay its obligations
 - > Majority of fixed-rate loans
 - > Historically high average loan duration

LONG TERM GROWTH POTENTIAL

- Strong demand related to demographic pressure and change in usage patterns
- Consistent structural lack of supply
- Market develop around major metropolitan areas
- **Obsolescence** of housing stock

Trend in average housing price (index base 100 in 2007)



Sources: ECLN, Ministry of housing, Instituto Nacional de Estadistica

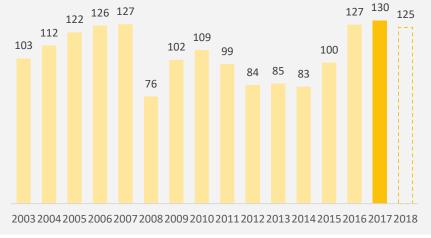
→ RESILIENCE IN REAL ESTATE PRICES DESPITE THE 2008 ECONOMIC CRISIS

BOUYGUES

RESILIENT RESIDENTIAL MARKET IN FRANCE (2/2)

SHORT TERM DRIVERS

- Interest rates remaining at a low level
- Zero-interest loan program and Pinel tax incentive confirmed until 2021 in dense areas
- Loi Elan supporting residential development
- Major urban development related to Grand Paris, Olympic Games and the ongoing expansion of regional key cities



French residential market

Source: SDES - Enquête sur la commercialisation des logements neufs

→ French residential market expected around 125,000 units in 2018, then stabilizing at a high level (around 120,000 units/year in 2019-2021)

STRATEGIC PRIORITIES IN COMMERCIAL

Maintain leadership in sustainable and innovative offers

- Remain leader in Green-Office[®] positive-energy buildings
- **Develop Rehagreen**[®] activity (office building rehabilitation) in obsolete tertiary market
- Balance portfolio of projects between turnkey, presold operations (VEFA), and speculative development



Green Office Rueil - Rueil Malmaison - France

BOUYGUE

COMMERCIAL MARKET IN AN UPWARD CYCLE

- THE LARGEST COMMERCIAL MARKET IN EUROPE (54M sqm STOCK) SUPPORTED BY
 - Major urban development related to Grand Paris
 - Attractiveness of Paris following Brexit
- OBSOLESCENCE OF COMMERCIAL REAL ESTATE
 IN GRAND PARIS AREA
 - Renewal market of existing buildings (83%^a of stock below international standards and needing renovation)
- NEW CUSTOMER EXPECTATIONS
 - Cost optimization, Pay per use
 - New working patterns: digitalization, nomadization, connectivity, well-being at work
 - Collaborative economy: mutualization of usages, services to individuals, opened to neighborhood



Source: CBRE Research. (a) Immediate supply of space to total stock of space



Source: CBRE Research. (b) Transactions carried out by occupiers (let and sell), including turnkey schemes

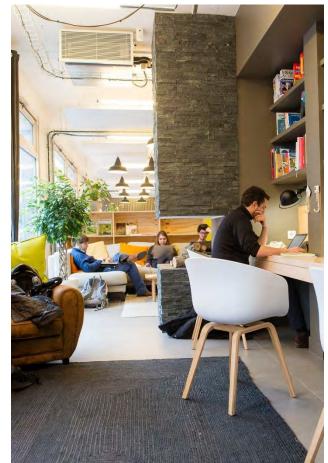
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DIGITAL TRANSFORMATION AND NEW BUSINESSES

- CUSTOMER EXPERIENCE
 - Virtual reality
 - CRM
 - Flexom
 - Entrevoisins application
- BUILDING INFORMATION MODELING
- MARKET PLACES
 - *Valorissimo* platform: market shop and housing units for buy-to-let
 - Co-design platform to create a housing program with future buyers

NEW BUSINESSES

- Nextdoor
- Co-living
- Jardins d'Arcadie, new service for senior citizens
- Embix, Aveltys



Nextdoor Lyon - France

CONSTRUCTION BUSINESS STRATEGY

COLAS

HERVÉ LE BOUC CHAIRMAN & CEO

A WORLD LEADER IN CONSTRUCTION AND MAINTENANCE OF TRANSPORT INFRASTRUCTURE

- Mission: promoting infrastructure solutions for sustainable mobility
- Vision: global expertise federated around a strong brand
- Main business segments





PRESENT IN OVER 50 COUNTRIES VIA MORE THAN 800 CONSTRUCTION BUSINESS UNITS AND 2,000 MATERIAL PRODUCTION SITES

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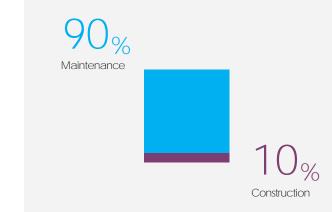
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COLAS OPERATES IN LONG-TERM **GROWTH MARKETS**

GROWING NEED FOR CONSTRUCTION AND MAINTENANCE OF TRANSPORT INFRASTRUCTURE

FAVORABLE FUNDAMENTAL TRENDS

- Population growth and urbanization
- Infrastructure upgrading programs in developed countries
- Equipment needs in emerging countries
- Stricter environmental constraints
- Transition to a service economy
- **Digital transformation**





Pacific Highway - Brisbane

BOUYGUES

MAIN STRATEGIC AXES

- **1. VALUING INDUSTRIAL ACTIVITIES**
- 2. EXPANDING SERVICE OFFERING
 - Major projects
 - Smart Roads, Smart Mobility
- 3. CONTINUING TARGETED INTERNATIONAL DEVELOPMENT
- 4. ACCELERATING THE DIGITAL TRANSFORMATION



Brotonne bridge – Rouen – France



High speed lane – Nîmes Montpellier – France



Tuck Inlet Road – Canada

VALUING INDUSTRIAL ACTIVITIES

 Thanks to its drive to ensure vertical integration, Colas now boasts a competitive edge with strong footholds in aggregates and bitumen



168 concrete plants

741 quarries



- 1 refinery^a
- 125 emulsion plants
- 568 asphalt plants
- Storage and logistics sites on 5 continents





By reinforcing its positions (in particular in bitumen with McAsphalt in North America), Colas has the resources and expertise to expand its leadership and better value its industrial activities



EXPANDING OFFERING

- With the creation of *Colas Projects* in 2016, Colas **federated and** strengthened its resources for studying, arranging the financing and executing complex projects, allowing to expand its offer and increase its market share
 - Major road and airport projects
 - Major international railway projects >
 - Concessions, PPPs, multi-year maintenance contracts >
- Colas also continues to innovate to broaden its range of products and invent the services and business lines of tomorrow
 - > New road techniques
 - > New uses 🔶 Smart Roads
 - Infrastructure solutions
 roads "as a service"
 - Services to improve mobility \rightarrow Mobility by Colas >



Igualuit airport



High Speed Train in Morocco

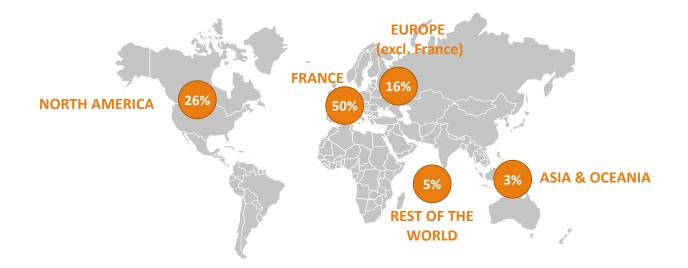


Wattwav



CONTINUING INTERNATIONAL DEVELOPMENT

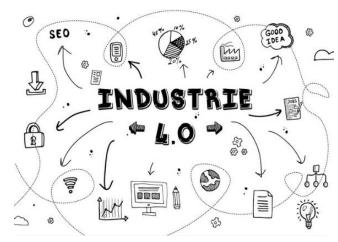
Colas makes roughly 50% of its revenue outside France^a - mainly in low risk countries



- In 2018, with the acquisition of Miller McAsphalt (Canada) and Alpiq's railway activities (Europe), Colas boosted its growth in its core businesses: road construction, materials and railways
- Colas has high growth potential in target countries in the OECD

ACCELERATING THE DIGITAL TRANSFORMATION

- Digital technologies are now part of our businesses, and this means transformation
 - > Process
 - > Industries 4.0
 - > New businesses
- With digital technologies, Colas has a major lever to take full advantage of its global position
 - > Sharing of know-how and expertise
 - > Valuing data assets





Colas was awarded the « BIM d'or »

MAXIMIZE THE VALUE OF INDUSTRIAL ASSETS



WE OPEN THE WAY

BITUMEN PRODUCTS LOUIS GABANNA EXECUTIVE VICE-PRESIDENT, NORTH AMERICA

QUARRIES THIERRY MÉLINE EXECUTIVE VICE-PRESIDENT, FRANCE - RAILWAYS



VERTICAL INTEGRATION, A LONG-STANDING MODEL AND STRATEGIC ASSET AT COLAS



53 BOUYGUES

MAXIMIZE THE VALUE OF INDUSTRIAL ASSETS



WE OPEN THE WAY

BITUMEN PRODUCTS LOUIS GABANNA EXECUTIVE VICE-PRESIDENT, NORTH AMERICA



BITUMEN IS PART OF COLAS' DNA

• BITUMEN IS WHERE COLAS STARTED

- Creation of Colas in 1929 with Cold Asphalt
- Many products and specialties invented and patented by Colas since
- COLAS HAS AN INTERNATIONAL CAMPUS FOR SCIENCE AND TECHNIQUES
 - 130 employees
 - 90 years of capitalized expertise



COLMAT®

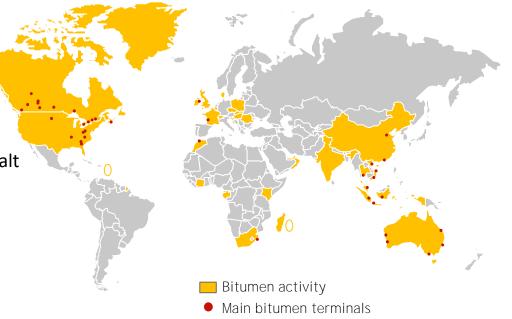


COLBIFIBRE®

BOUYGUES

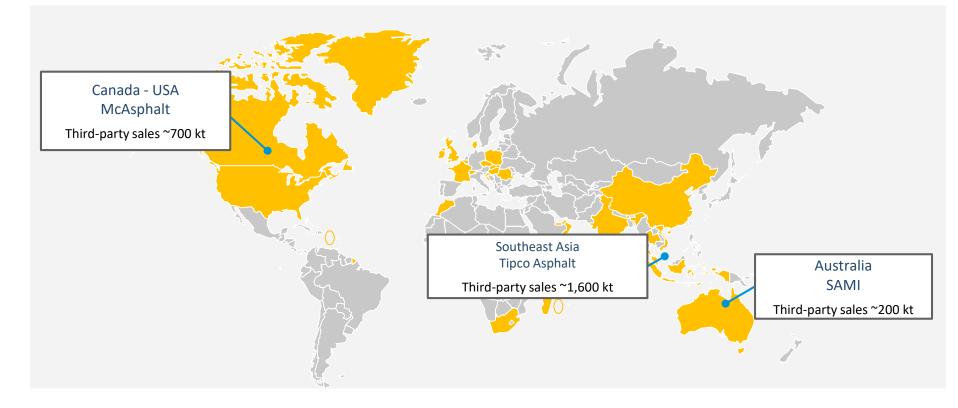
COLAS IS A MAJOR PLAYER IN THE BITUMEN MARKET

- BIGGEST PURCHASER WORLDWIDE
 - 5 million tons / year
 - ≈5% share of the market
- GREAT NUMBER OF DISTRIBUTION POINTS
 - Network reinforced by acquisition of McAsphalt in 2018
- PRESENT THROUGHOUT THE ENTIRE VALUE CHAIN
 - Production (Kemaman Refinery in Malaysia)
 - Storage terminals
 - Emulsion plants
 - Transport / logistics



BOUYGUES

COLAS SELLS AND DISTRIBUTES BITUMINOUS PRODUCTS





MCASPHALT: A MAJOR COLAS ACQUISITION IN 2018

- AN ENTREPRENEURIAL SUCCESS
 - Established in 1970
 - Rapid growth through acquisitions, building storage depots, sustainable ventures with major industry players

THE LEADER IN THE BITUMEN INDUSTRY IN CANADA

- Strong expertise in product formulation
- Stakeholders are very demanding

SPHALT	INDUSTRIES LIMITED: SUPVIES TO INDUSTRY OF QUALITY ASPIALT PRODUCTS INDAD BHUSIONS, LIQUID ASPIALTS, PAYPHENT SALERS AND OTHER SPECIALTY PRODUCTS.				
SPHALT	ENGINEERING SERVICES: Ekonerikg consultants specializing in Asphalt and its related for USE- inspection, from Lobolitative testing of all types of write, rolaway, and ortanul struct specificion and inspection:				
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BOUYGUES

BULK STORAGE - 300,000 TONS ACROSS CANADA







MCASPHALT SUPPLY NETWORK

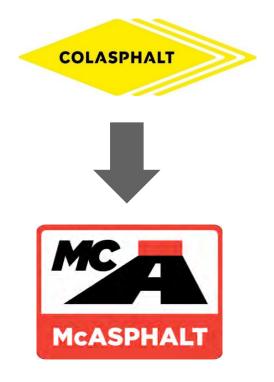






McASPHALT: RAPID INTEGRATION

- INTEGRATION OF COLAS CANADA BITUMEN ACTIVITIES
 IN McASPHALT
 - Integration started at a high level, immediately upon acquisition
 - Each company independently reviewed their own processes and best practices
- WITH IMMEDIATE SYNERGIES
 - Common brand
 - Mutualization of assets
 - Share of best practices



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BOUYGUES

MAXIMIZE THE VALUE OF INDUSTRIAL ASSETS

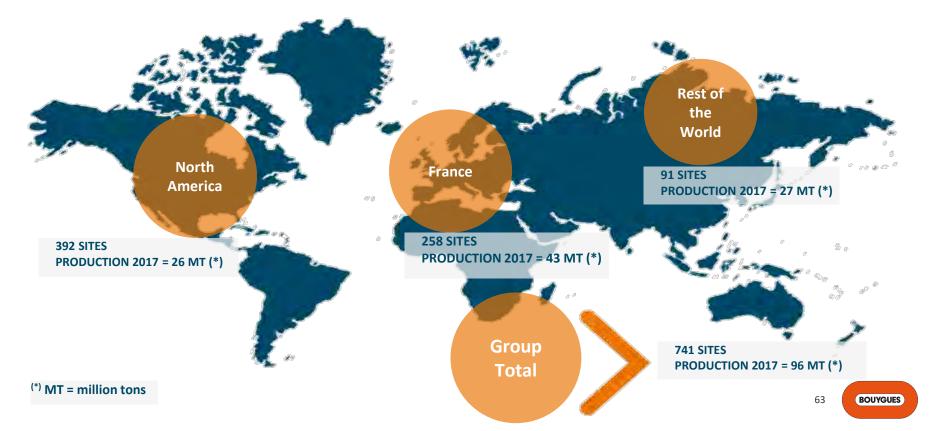


WE OPEN THE WAY

QUARRIES THIERRY MÉLINE EXECUTIVE VICE-PRESIDENT, FRANCE - RAILWAYS



QUARRIES LOCATED AS CLOSE AS POSSIBLE TO CONSTRUCTION ACTIVITIES



COLAS CONTINUES TO GROW IN QUARRIES

MAIN ACQUISITIONS OVER THE LAST THREE YEARS



QUARRIES, A STRATEGIC ASSET FOR COLAS

• IN ORDER TO MEET A BASIC NEED

- Aggregates, **2nd most consumed resource** after water
- Growth in demand for infrastructure
- QUARRIES ARE A MAJOR ASSET FOR COLAS, TO
 - Secure the supply of road and railway building materials
 - **Supply manufacturing facilities**: asphalt plants, ready-mixed concrete plants
 - Generate business and profit, with 70% of sales made externally
- THEY ARE MANAGED BY DEDICATED OPERATIONAL TEAMS, WHICH ALSO
 - Ensure land control
 - Manage operating permits

DIVERSIFIED ASSETS

- Different types of deposits
 - > Massive rocks
 - > Soft rocks
- Different types of operations
 - > Quarries
 - > Gravel pits
- Different types of end-users
 - > Industries
 - > Building
 - > Public works
 - > Railways



VERY LONG-TERM ASSETS

• AUTHORIZED RESERVES AMOUNT TO

- **2,900 million tons**, i.e. **30 years** of production
- **4,800 million tons** including potential reserves



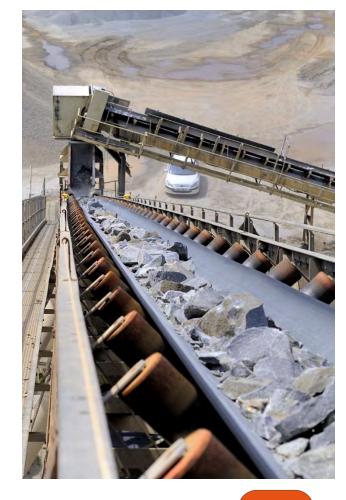
Americas1,300 Mt50 yearsRest of
the World600 Mt23 yearsFrance1,000 Mt23 years

Authorized reserves by zone (in Mt) and by year of production at end 2017



MAIN STRATEGIC AXES (1/2)

- PURSUE TARGETED ACQUISITIONS IN RELATION TO OUR ACTIVITIES
- INCREASE THE VOLUME OF INTERNAL AND EXTERNAL SALES
- REDUCE PRODUCTION COSTS AND OPTIMIZE INVESTMENTS



MAIN STRATEGIC AXES (2/2)

• DEVELOP CIRCULAR ECONOMY ACTIVITIES

- Deconstruction PREMYS
- Recycling of materials
- Storage activities









INITIATIVES TO PROTECT THE ENVIRONMENT AND BOLSTER COMMUNICATION WITH THE PUBLIC AROUND THE WORLD



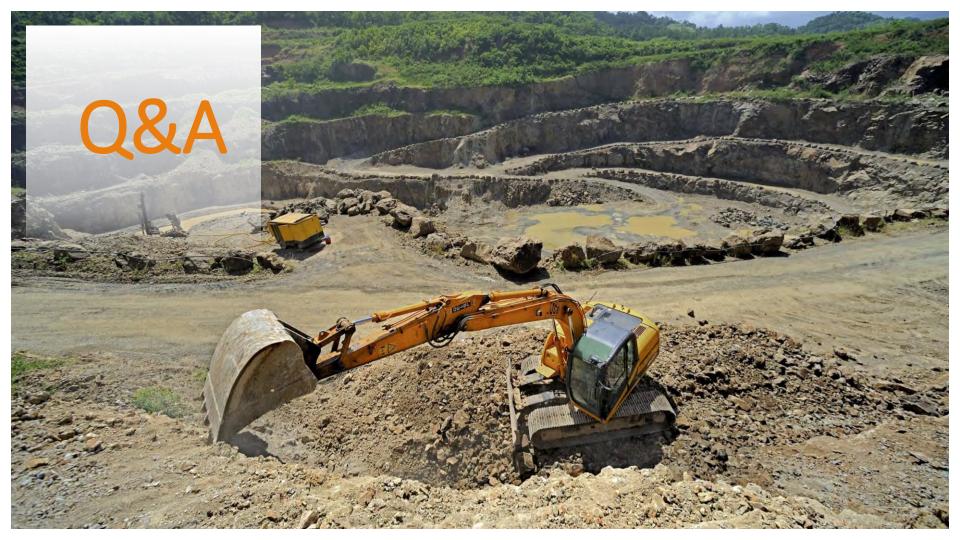
CONCLUSION

 Backed by vertical integration strategy, Colas has developed strong positions in aggregates and bitumen sectors

These activities provide Colas with an additional lever to improve performance in the future thanks to the development of their own business model







A BUOYANT MARKET

A favorable context

- Demographic pressure and growing urbanization
- Decrease in local authority budget emphasizing the need to cooperate with the private sector
- Incentives fostering the renewal of socially isolated neighborhoods

New expectations

From elected representatives

- > Urban renewal aiming to:
 - Develop the attractiveness of areas
 - Respond to new urban usages
 - Address sustainable development issues
 - Improve urban quality of life
- From clients
 - > Modern, vibrant and connected living neighborhoods offering new services and usages





URBANERA'S MISSION

- Design **mixed neighborhoods**, with a **common** identity that creates value for all stakeholders of the urban project: residents, employees, companies, investors, local authorities, public developer, elected representatives
- Since 2015, the activity developed by UrbanEra represents **1,150,000sqm** of building rights of which 670,000sqm for Bouygues Immobilier



URBAN DEVELOPMENT "END-TO-END COORDINATOR"



URBANERA STRATEGIC PRIORITIES

- Respond to city expectations and end-user needs
- Become a leader in the fast growing urban renewal market
- Increase Bouygues Immobilier market share and profitability on its three business segments: residential, commercial and retail
- Generate additional revenues through sales to other developers
- Use financial model that limits the level of indebtedness



Cœur Université – Nanterre – France

URBANERA'S KEY STRENGTHS

- PROPOSE UNIQUE PROJECTS TAILORED TO AREAS, RESPONDING TO CITY EXPECTATIONS AND PROVIDING NEIGHBORHOODS THEIR OWN IDENTITY
 - "Les Fabriques" in Marseille: development of a productive city with makers
 - "Quartier de la Gare" in Divonne Les Bains: revitalization of the city center
 - "Charenton Bercy": creation of a virtual reality cluster
- BRING TOGETHER AND MANAGE INTO AN ECO-SYSTEM THE MOST RELEVANT PLAYERS
 - From start-up to industrial firms, up to **70 partners** on a project
- DEVELOP URBAN SERVICES RESPONDING TO NEW USAGES
 - Soft mobility, concierge services, third location, smart grid, shared gardens, recycling of materials



Les Fabriques – Marseille – France

FORT D'ISSY, AN ICONIC ECO-NEIGHBORHOOD

95%^a OF PERSONS INTERVIEWED PROUD TO LIVE IN FORT D'ISSY

• SPECIFICS

- " IssyGrid ", a smart Grid serving the whole district
- Optimum energy consumption with geothermal energy covering 75% of needs
- Pneumatic waste collection system
- Ecological water management (recovery of rain water from roof)

DESCRIPTION

- 12 hectares
- 1,623 housing units (of which 330 social housing)
- Shops and public equipment: 2,300sqm
- Total sales from property development: €450m of which €250m for Bouygues Immobilier



Fort d'Issy – Issy les Moulineaux – France



GINKO, SPEARHEAD OF "BORDEAUX 2030"

- 76%^a OF PERSONS INTERVIEWED SAY THAT GINKO IS A PLEASANT NEIGHBORHOOD TO LIVE
- SPECIFICS
 - Biomass heating plant
 - Lagooning water treatment
 - 4.5 hectares of park and 20 shared garden plots
 - **50%** of roads dedicated to **soft mobility**
 - Concierge services

DESCRIPTION

- 32 hectares of which 3,000 housing units, 10,000 sqm of resident services, 14,000 sqm of offices, 52,000 sqm of retail and public facilities
- **11 year concession** (2010 to 2021)
- EcoQuartier certified in 2014 / BBC / NF Habitat
- Total sales from property development: €650m of which €575m for Bouygues Immobilier



Ginko – Bordeaux – France

BOUYGUE

CHARENTON, FLAGSHIP PROJECT OF "REINVENTING GRAND PARIS"

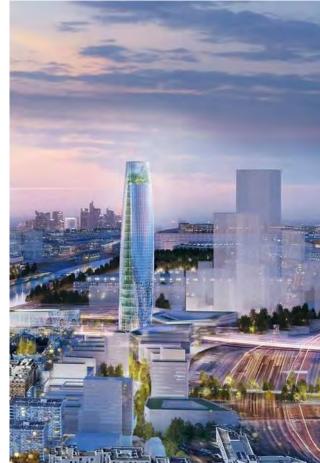
- STRONG AMBITIONS
 - Create a new economic hub in Eastern Paris based on the virtual reality
 - Open up the district
 - Deliver a remarkable sustainable neighborhood

• SPECIFICS

- A **180m green** residential and hospitality **tower**
- A garden bridge of 1 hectare and 5 hectares of new public spaces
- Well " certification (new standard for interior well-being)
- A strategic partnership with Tikehau Capital

DESCRIPTION

- 12 hectares of land, 360,000 sqm developed including 1,000 housing units, 167,000 sqm of offices and 49,000 sqm of retail and public facilities
- Development until 2030
- Total sales from property development: **over €2.2bn**



Charenton-Bercy – France



OUR VISION OF PROJECT DEVELOPMENT

A SOPHISTICATED AND DIFFERENTIATED MARKETING APPROACH

- Positioned as **the long-term strategic partner** to local authorities, property investors and operators
- Positioned across the whole value chain, from land management to operation and user experience through construction
- In-house design & construction capabilities are a key skill, as well as our extensive range of technical, crossdisciplinary expertise
- A CAPABILITY TO DEVELOP A WIDE RANGE OF PROJECTS: BUILDINGS, BLOCKS, URBAN DISTRICTS
- AN ACTIVITY OFFERING A VERY ATTRACTIVE RISK PROFILE
 - No property market risk, with no upfront financial investment to buy land or start construction before the financing and exit are 100% secured
 - No marketing risk, with strong and reliable partners on the commercial side of projects (no B-to-C activity)
 - Use of non-recourse financings

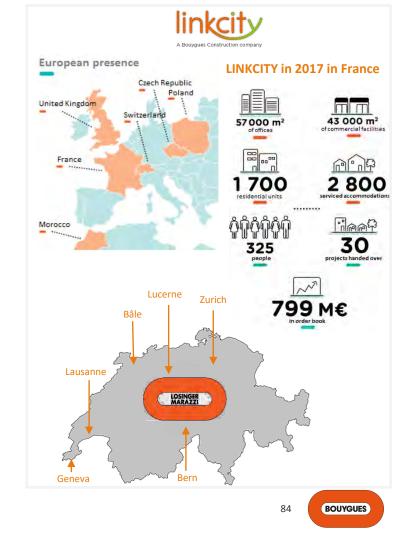
BOUYGUES

OUR MARKET APPROACH

LINKCITY: GLOBAL BRAND, LOCAL PRESENCE

- An umbrella brand name to market project development offers in various countries
- Capitalizing on the local networks of our construction subsidiaries

- SPECIFIC EXPERTISE OF LOSINGER-MARAZZI IN SWITZERLAND
 - An historical player with unique and acknowledged capabilities in sustainable urban districts



THE IDEA BEHIND SUSTAINABLE DISTRICTS

TRANSFORMING EXISTING, ABANDONED, DISOWNED URBAN AREAS

INTO NEW VIBRANT SUSTAINABLE MIXED-USE DISTRICTS COMPOSED OF HOUSING, OFFICE, RETAIL, EDUCATIONAL FACILITIES



Eole Evangile – Paris 19^e - France

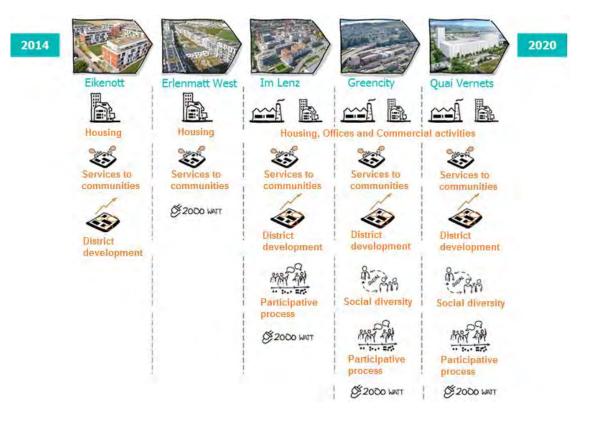


SUSTAINABLE DISTRICTS REPRESENT A TRUE OPPORTUNITY

- Little or no upfront investment
- No property market risk assumed
- High profile / high impact projects
- Generating high volume / long term projects
- Extended skill set required (building on Bouygues Group's businesses)
- Limited competition / higher margin expected

OUR INCLUSIVE APPROACH TO DISTRICT DEVELOPMENT

IMPROVE OUR VALUE PROPOSITION BY OFFERING AN INCREASINGLY INCLUSIVE APPROACH



BOUYGUES

AN ICONIC DEVELOPMENT PROJECT

• "CASERNE DES VERNETS" IN GENEVA

- Existing Swiss Army barracks in central Geneva
- Geneva's ambition to create a new sustainable housing district
- Public tender to select investors to develop, build and operate the district
- Bouygues Construction's Swiss subsidiary to lead and coordinate a consortium of investors (insurers, pension funds, cooperatives)



Caserne des Vernets District in Geneva – Switzerland

MASTERING CONTRACTUAL ENVIRONMENT AT EACH STAGE OF A PROJECT

• URBAN DISTRICT DEVELOPMENT: AN AMBITION, AN OPPORTUNITY

Development partnerships with stakeholders: land owners, public authorities

• **PROJECT DEVELOPMENT: A MARKET, A PROPERTY**

- Leases and sales agreements with future tenants/investors
- CONSTRUCTION: A CLIENT, A PROJECT
 - Build or Design & Build contracts with Bouygues Construction companies
- OPERATIONS: A COMMUNITY, A PLACE TO LIVE, WORK, SOCIALIZE
 - Urban Service Level Agreements with public & private operators (mobility, waste services, energy utilities, facility management, retail)



BOUYGUES CONSTRUCTION'S EXPERTISE

URBAN DISTRICT DEVELOPMENT

- Local knowledge, contacts with administrations/city executives
- Sociology, demographics, community management, coliving
- Urban planning, mobility, energy, bio-diversity

PROJECT DEVELOPMENT

- Market knowledge and investor/operator relations
- Architecture, permitting process, land transactions
- **CONSTRUCTION**
 - Pricing, engineering, construction delivery

ALL THESE ACTIVITIES IN CLOSE COOPERATION WITH AN ECOSYSTEM OF LONG-TERM PARTNERS



La colline des Mathurins – Bagneux - France



GREENCITY IN ZURICH

- **PROGRAM**
 - 165,000 sqm built area
 - 60% housing/40% offices, hotel, senior housing, education
 - 2000 Watts certified
- TIMELINE
 - Project development: 2004-2013
 - Construction: 2014-2021
- INVESTMENT VALUE
 - CHF800m



Greencity – Zurich - Switzerland



"CASERNE DES VERNETS" IN GENEVA

• **PROGRAM**

- 150,000 sqm
- 1,500 housing units
- Offices, hotel, retail, public facilities

• TIMELINE

- Bid: 2013-2014
- Development: 2015-2019
- Construction: 2020-2024

• INVESTORS

- 2 insurers (Swisslife, Mobilière), 3 local pension funds, 3 housing coooperatives
- CONSTRUCTION VALUE
 - CHF600m

OTHER PROJECTS: CUMULATIVE VALUE OF PROJECTS IN PIPELINE > CHF 2.5 BILLION



Caserne des Vernets District in Geneva - Switzerland

BOUYGUES SMART CITIES APPROACH



FRANÇOIS PITTI DIRECTOR PROSPECTIVE & STRATEGIC MARKETING, BOUYGUES CONSTRUCTION



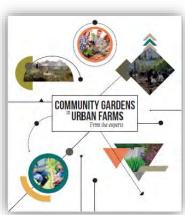
IN DEMAND FOR SMARTER CITIES



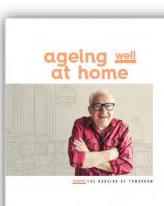
BOUYGUES

USER-CENTRIC EXPECTATIONS













OUR OBJECTIVES FOR SMART DISTRICTS AND CITIES

MORE LIVELY, MORE COMMUNAL, MORE INTENSE



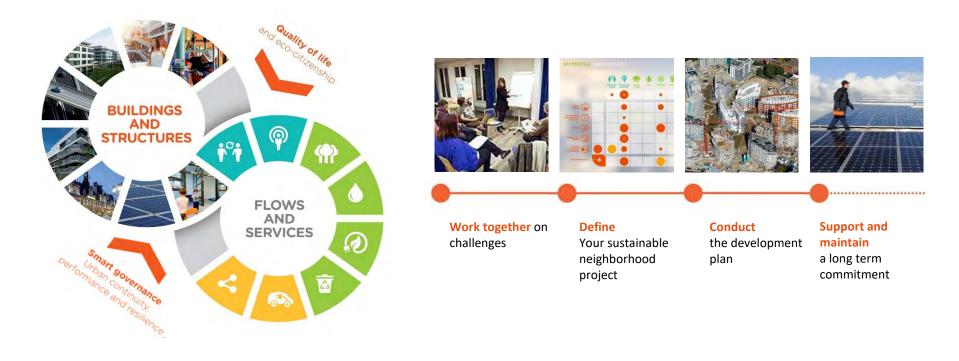
MORE EFFICIENT, MORE RENEWABLE, GREENER







A GLOBAL PARTNERSHIP-BASED APPROACH





A GLOBAL ECOSYSTEM

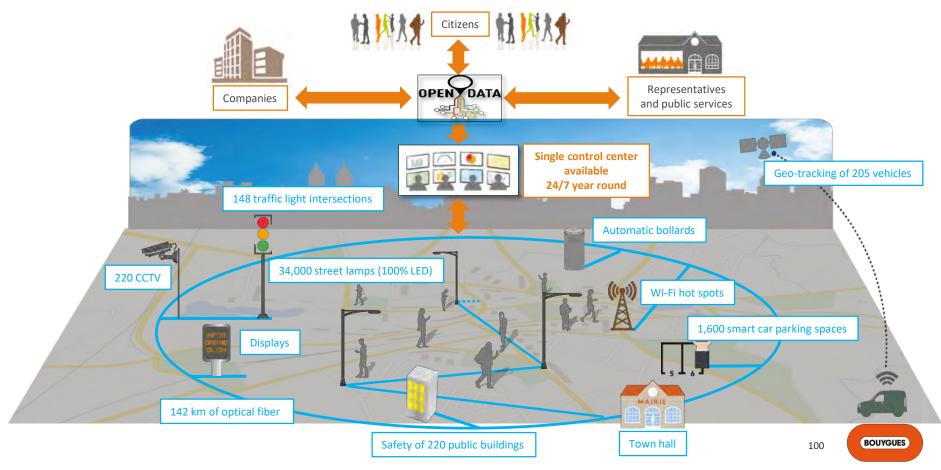


BOUYGUES

EUREKA - LYON - PARTNERSHIPS



SMART CITY IN DIJON



END USER VIEW



Quality of life and ecocitizenship

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TOOLS TO CO-DEVELOP THE NEIGHBORHOOD

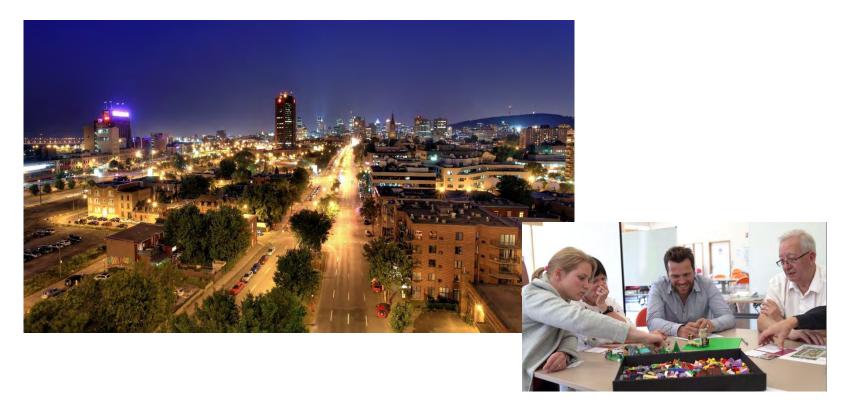


Play Collaborative Game for co-conception

Sketch Neighborhood profiling application Board / Market Place Innovations and best practices



CONCLUSION





SMART ROAD SMART MOBILITY

COLAS

FRÉDÉRIC GARDÈS EXECUTIVE VICE-PRESIDENT, INTERNATIONAL

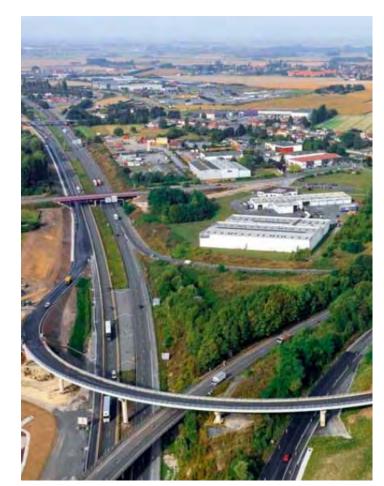
FROM INFRASTRUCTURE TO MOBILITY SOLUTIONS

- To respond to underlying trends and new expectations
 - > From infrastructure to mobility solutions
 - > With the rise of Mobility as a Service (MaaS)
- Colas expands its range of offerings to
 - > Adapt to the specificities of each territory
 - > Be more and more creative to meet expectations regarding innovation even though public funding is tight
 - Meet performance requirements, both for communities and users



MOBILITY SOLUTIONS, A MAJOR AXIS FOR COLAS

- Major resources earmarked for innovation
 - > Campus for Science and Techniques, world's leading private research center dedicated to roads
 - Creation in 2017 of Mobility by Colas, a digital offer designed to serve infrastructure
- For roads that are
 - > Safer
 - > More sustainable
 - > More connected
 - > More shared



COLAS HAS THREE TARGETS IN MOBILITY

- CREATING NEW FUNCTIONS FOR INFRASTRUCTURE
 - Smart Roads
- ANTICIPATING MAINTENANCE NEEDS
 - Roads as a Service
- DEVELOPING A CUSTOMER-FOCUSED APPROACH BY SERVING USERS
 - Smart Mobility





SMART ROAD - WATTWAY: POSITIVE ENERGY ROAD SURFACING



- Over 30 trial sites around the world: North America, Europe, Japan
- Numerous use cases have been identified
- 2019: beginning of commercial launch phase



Trial site in Japan 7-Eleven store





SMART ROAD - FLOWELL: FOR DYNAMIC, MULTI-MODAL ROADS

- Characteristics
 - > Luminous marking
 - > **Dynamic** marking
 - > **Programmable** marking
- Use cases
 - > Crosswalks
 - > Sharing infrastucture
 - > Dynamic lane allocation
- 1st in-situ, real-life trials at the beginning of 2019

FLOWELL



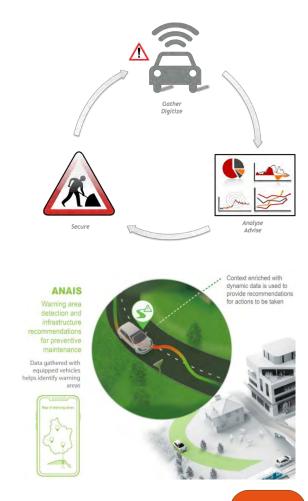


ROAD AS A SERVICE - ANAÏS ACQUIRE - DIGITIZE - ANALYZE - INFORM - SECURE

- Digital action recommendation tool for infrastructure maintenance
 - > Preventive detection of risk zones using on-board sensors and near accident statistics
 - > Recommendations for actions and improvements on road assets
 - > **Optimization** of road asset management



Activator of mobility services



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BOUYGUES

MOBILITY AS A SERVICE - MOOV'HUB IN PARIS - SACLAY

PILOTING TOOL FOR PARIS-SACLAY

- Innovation partnership
- Smart, shared parking management service
- Digital experience centered on the user
- CHARACTERISTICS OF THE PROJECT
 - 2 phases over 5 years: R & D then roll out
 - Public & private connected parking 3,000 parking spaces
 - Public-private co-financing
- A FIRST STEP TOWARDS MAAS
 - One customer account one bill single access to mobility services
 - Mobility observatory for city managers

Mobility platform & and web site Moov'Hub

Observatory Mobility and Parking

Data sharing platform Moov'Hub

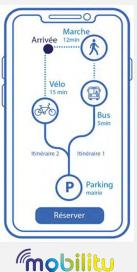
Payment: dematerialized, invoicing, commissioning,...

Interfaces to mobility services

Connected Mobility parking services Public transport

Soft mobility services

Connected services (conciergerie, logistics, packages,...)



BENEFITS AND STAKES FOR COLAS







INNOVATION IN THE CONSTRUCTION BUSINESS



CHRISTOPHE LIÉNARD GROUP CHIEF INNOVATION OFFICER

Paris, October 2nd 2018

MAIN TRENDS IMPACTING US

Climate Change

 Changing user behavior Population growth and urbanization Digital and technological revolution











INNOVATION AND DIGITAL

NEW USAGES MADE POSSIBLE THANKS TO THE DEVELOPMENT OF 4 KEY TECHNOLOGIES



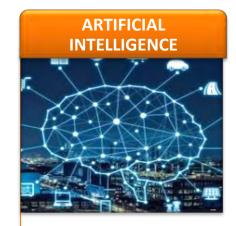
A new **interactive** environment for the user



Information storage and transmission technology, transparent, **secure**, and working without a central control body

INTERNET OF THINGS AND BIG DATA

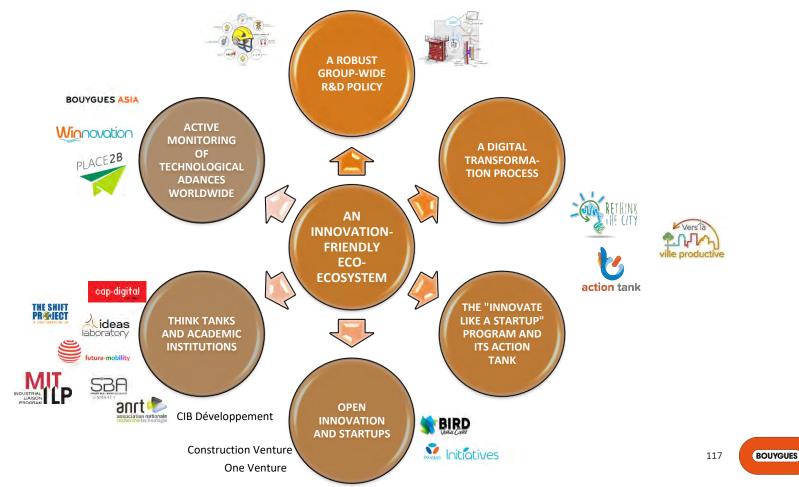
Collecting massive amounts of data from the real world Multiple analysis capabilities



From automation to **augmented** human



INNOVATION CULTURE AND MANAGEMENT



DIGITAL: A PILLAR OF THE GROUP'S TRANSFORMATION

A PLAN DEVELOPED ALONG 3 AXIS

- Transform INTERNAL processes and work methods
- Improve customer experience and develop new business related to the EXTERNAL ecosystem
- Instill a digital CULTURE within the group



La Seine Musicale – Boulogne



EMPLOYEES ARE KEY PLAYERS OF THIS TRANSFORMATION

SPACE AND EVENT SHARING IMPLEMENTED SO EACH EMPLOYEE PARTICIPATES IN THE GROUP DIGITAL TRANSFORMATION

- The TRANSFORMER CLUB founded in January 2018, comprised of 30 participants belonging to 5 digital sections, working swiftly for 3 month to empower the Group Digital Committee.
- The program "INNOVATE AS A START-UP" to create new activities
 - > Fifty employees involved in each session as intraprenors
 - Action-tank of business leaders implementing the financing, development and launch
 - > 3 sessions, 20 concepts, 6 retained projects, 3 launches
- Sharing and innovation events such as the Digital Easy Challenge (2017) and VIVATECHNOLOGIES





R&D AND INNOVATION ARE ACCELERATORS OF DIGITAL TRANSFORMATION

1- IMPROVE PRODUCTIVITY AND PERFORMANCE

2- ENRICH AND RETHINK THE CUSTOMER EXPERIENCE

3- UNCOVER DISRUPTIVE ACTIVITIES



3D printing



IMPROVE PRODUCTIVITY AND PERFORMANCE

EXAMPLES

• AN EXOSKELETON FOR OUR SITES (COLAS): EXOPUSH

- A tool to facilitate the work of our companions on road works, codeveloped between Colas and the RB3D startup
- The deployment of EXOPUSH underway with 35 devices already in the field. It contributes to improving the performance and quality of our operations and opens new horizon with connected tools.

• YHNOVA, HOUSE PRINTED IN 3D (BYCN)

- Yhnova is the first 3D printed house. 3D construction projects are growing with the printing of concrete parts, even for the most advanced projects, the completion of entire wall sections.
- Saving time, saving materials, reducing the environmental impact, the benefits are numerous.





BOUYGUE

ENRICH AND RETHINK THE CUSTOMER EXPERIENCE

EXAMPLES

- "COLAS & MOI" SMARTPHONE APPLICATION
 - An application that creates a direct link with residents of worksites to improve their experience and inform them of our work progress. This approach is favorably perceived by our clients and prompted international applications.
- CONNECTED BUILDINGS: "WIZOM" (BYCN) AND "FLEXOM" (BY IMMO)
 - Wizom and Flexom allow the building residents to control their comfort, their well-being and their budget. Each resident can manage temperature, brightness and the opening or closing of blinds. The goal is to simplify the life and experience of our customers.
 - Wizom and Flexom are built on an open architecture connecting the sensors for marketing purpose







EMERGENCE OF DISRUPTIVE ACTIVITIES

EXAMPLES

- BLOCKCHAIN TO MANAGE THE CONSUMPTION OF ENERGY (BY IMMO)
 - A first model was produced in 2017 with Microsoft and the startup Energisme
 - The implementation of a blockchain in Lyon in the Hikari district (Island joint offices/housing/shops) will be current 2018

ENERGY STORAGE - THE PROJECT "ELSA" (BYCN)

- Development of an industrial system of storage of energy for buildings and the distribution networks of electricity from the second life of electric vehicle battery recycling,
- Renault, Nissan and 7 other partners including three research centers and universities and two distribution networks are the ELSA project coordinated by Bouygues Energies and Services partners







DIGITAL TRANSFORMATION OF PROJECT ACTIVITIES



MARIE-LUCE GODINOT EVP DIGITAL TRANSFORMATION, INNOVATION AND SUSTAINABLE DEVELOPMENT

uction data from products and project Constr rces of innovation and are sou value cre

BOUYGUES

OUR BUSINESS CHALLENGES

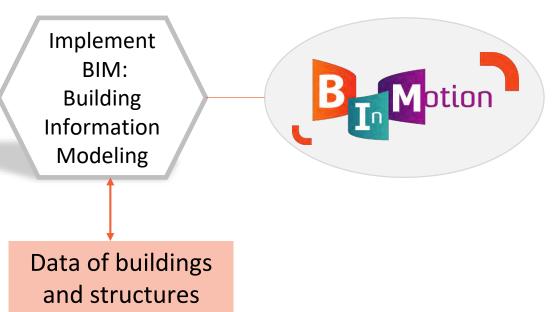
Improve our efficiency

Strengthen our competitiveness

Better manage the growing complexity of our projects Integrate the digital revolution into our businesses

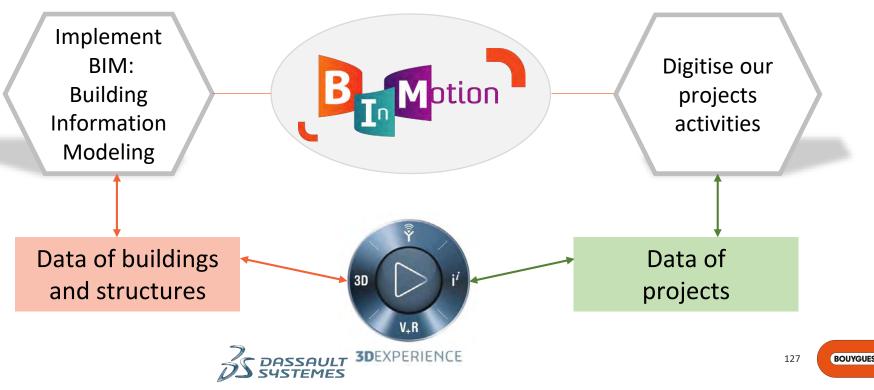


Bouygues Construction launched in 2014 the B In Motion project





Bouygues Construction launched in 2014 the B In Motion project



Use cases providing value to projects



REQUIREMENTS

ACTIVITIES AND EVENTS

BIM MODELS

DOCUMENTATION



Use cases providing value to the company



SHARING



BOUYGUES

CONCLUSION

• AN EXPERIMENTATION PHASE WITH REAL PROJECTS

• A MAJOR INNOVATIVE ADVENTURE : FIRST IN OUR INDUSTRY TO LAUNCH A PROGRAM OF THIS SIZE

• AN IMPORTANT EXPECTED VALUE



TUNNEL LAB



MARIE-LUCE GODINOT EVP DIGITAL TRANSFORMATION, INNOVATION AND SUSTAINABLE DEVELOPMENT



TWO CHALLENGES

- IMPROVE SAFETY
- INCREASE PRODUCTIVITY







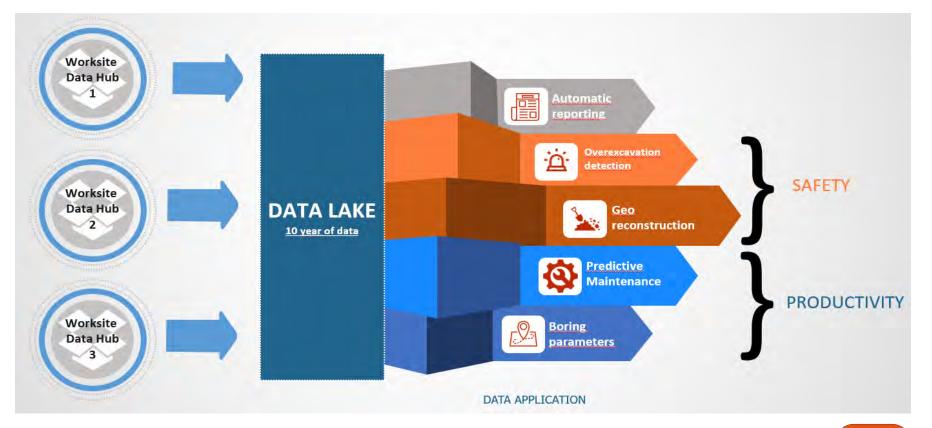
DATA COLLECTION ON A WORKSITE



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BOUYGUES

POWERFUL DATA PLATFORM LEADS TO NEW APPLICATIONS





FACTS



More than 10 Data Scientist Tunnel Lab + Data Lab



More than 8 Terabytes Raw Data



More than 10 computing nodes *Processing power*



DATA ANALYSIS – USE CASE

CREATE A DECISION MAKING TOOL FOR PRODUCTION CREWS BASED ON MACHINE DATA





GOAL & TARGET

• GOAL

 Prescribe appropriate boring parameters to the production crew depending on soil and machine configuration in real time

• TARGET

- Improve safety
- Reduce risk of over excavations or cavities
- Reduce waiting time
- Improve equipment availability time
- Increase productivity

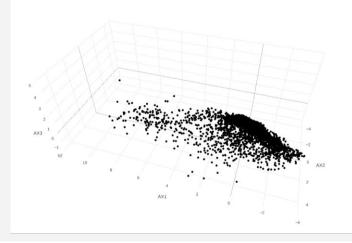




DATA ANALYSIS (1/3)

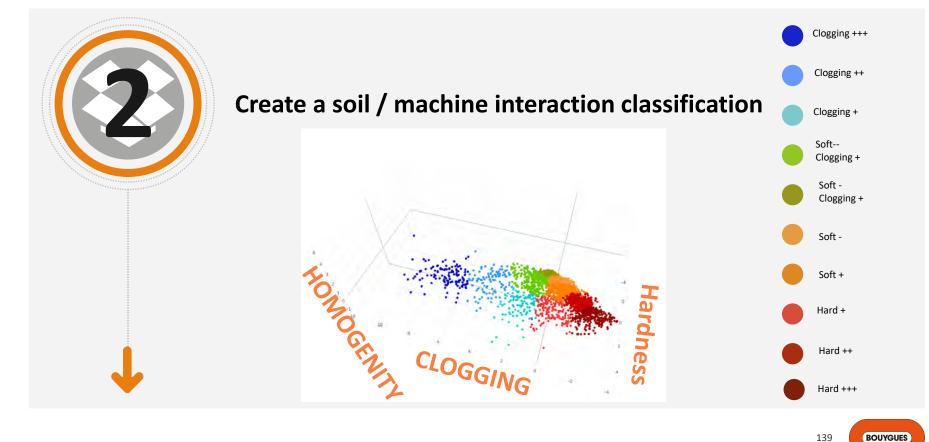


Analysis over 50 variables sampled at 1hz from Tunnel Boring Machine regarding soil and excavation

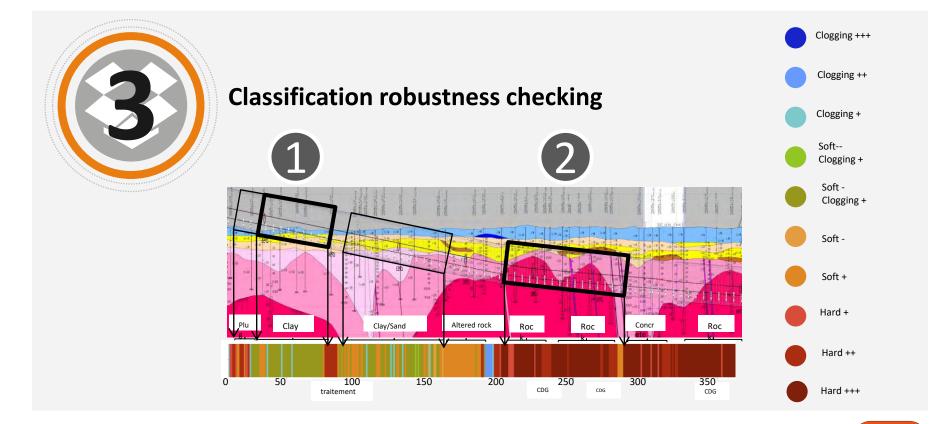




DATA ANALYSIS (2/3)



DATA ANALYSIS (3/3)

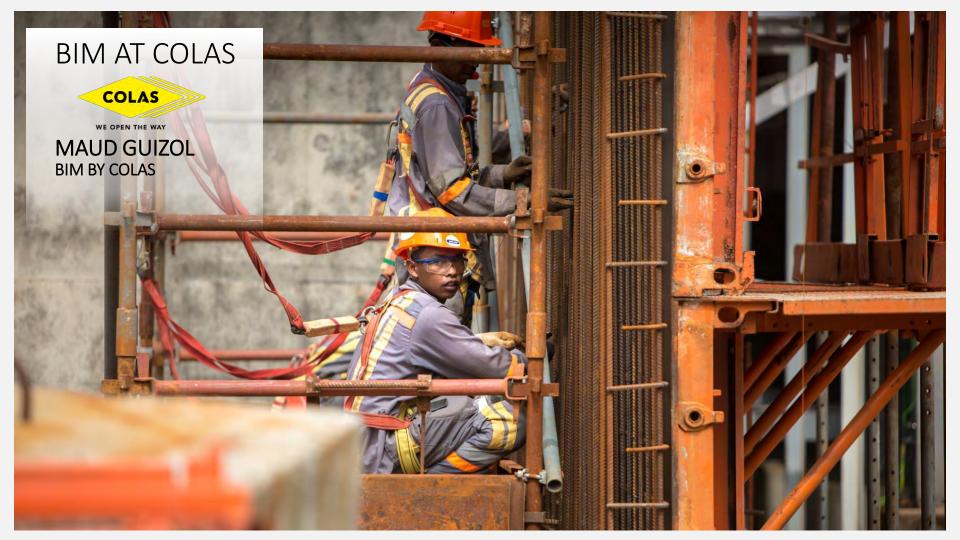


MACHINE LEARNING ON DIFFERENT WORKSITES



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BOUYGUES

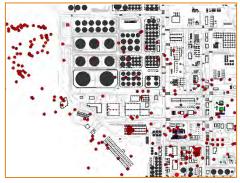




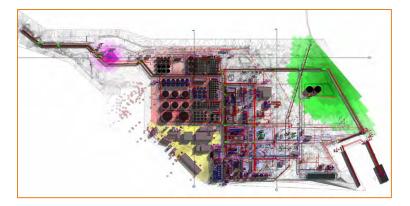
DUNKERQUE REFINERY SITE

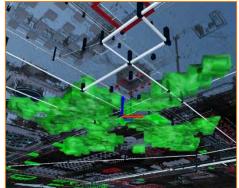












DIGITAL TRANSFORMATION



NATHALIE WATINE, EVP, DIGITAL TRANSFORMATION & HR

BOUYGUES

Ginko – Bordeaux - France

DIGITAL TRANSFORMATION: RAPIDLY CHANGING THE PROPERTY ACTIVITY

Very fast pace

400 start-ups created in the property sector in the last 4 years

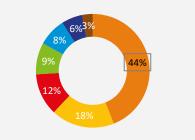


Half are less than 2 years old

20 billion USD of investments expected in 2020

Split by technology

- Big Data
- Artificial intelligence
- Virtual reality
- Internet of Things
- Blockchain
- Robotics
- Other





Source: KMPG Real Estech, first survey of real estate start-ups in France

BOUYGUES IMMOBILIER IS STEPPING UP ITS DIGITAL TRANSFORMATION

Preparing for change and creating new businesses





Enhancing culture, expertise and soft skills



Digitising business processes Augmented customer and employee experience



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USING DATA AND BIGDATA TO FIND LAND LOTS

Faster and more reliable land identification and valuation

Zoning regulations, transportation, minutes of meetings,



STRONG PARTNERSHIPS TO OPTIMIZE DATA



INNOVATIVE SOLUTIONS FOR OUR BUSINESSES







Identification of value-added plots, appointments planning, prospecting, etc.



DATA AND BIGDATA, FOR MORE EFFICIENT MARKETING



Using data (Private & Open Data) and **creating a Data Lab:** analysis, statistics, algorithms, projection, etc.

Targets for marketing campaigns

Use data from mobile phone base stations to identify catchment areas by flow analysis





Analyze this data to:

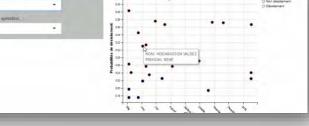
- Optimize the allocation of advertising resources
- Implement targeted prospection

Ranking of prospects and reservations



Statistical analysis of cancellations to **score customer reservations**, identify "uncertain" reservations and to **adjust marketing policy**





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AN EVEN BETTER CUSTOMER EXPERIENCE

DIGITAL, AN OPPORTUNITY TO TRANSFORM THE CUSTOMER EXPERIENCE

- Visualize and conceive
- Customize, configure and implement on-line

7,500 LOTS CAN BE CONFIGURED ON-LINE IN 2D OR 3D







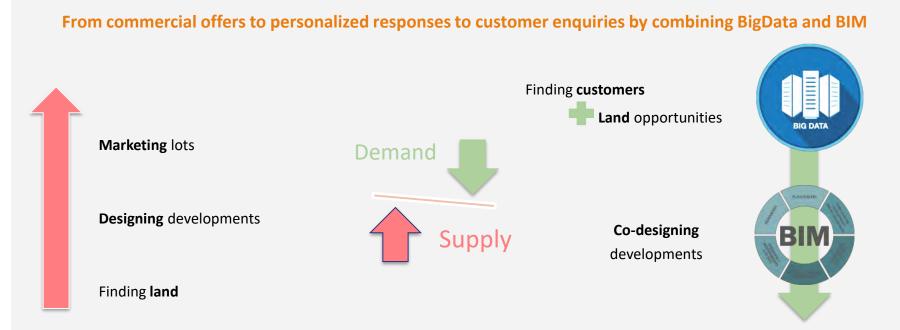
PERSONALIZED CUSTOMER RELATIONS ENHANCED BY DIGITAL

- PERSONALIZED PURCHASING PROCESS, FROM RESERVATION TO HANDOVER, WITH DIGITAL TOOLS AND SUPPORT
 - Electronic contract and paperwork
 - Online appointments (options, move-in inspection, pre-handover, handover, etc.)
 - Chatbot
 - Information on worksites
 - First digital visits recorded and analyzed automatically by datamining





ULTRA CUSTOMIZATION: CO-DESIGN PLATFORM



A new customer experience that goes beyond personalization (configurator, Flexom): co-designing customers' apartments, houses and living spaces

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NEW USES IN THE HOME

MON LOGEMENT 100% CONNECTÉ



#MaVieEnMieux



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CONCLUSION

BOUYGUES

PHILIPPE MARIEN DEPUTY CEO

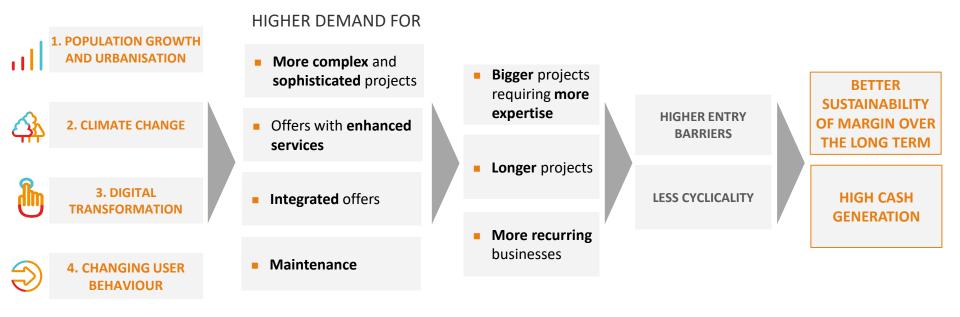
WE ARE IN A LONG PERIOD OF HIGH DEMAND AT WORLWIDE LEVEL





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EVOLUTION OF THE CONSTRUCTION SECTOR LEADS TO HIGHER ENTRY BARRIERS AND LESS CYCLICALITY





A KEY OPPORTUNITY FOR THE GROUP'S CONSTRUCTION BUSINESSES

DEVELOPER



BUILDER



OPERATOR



- OUR POSITIONING AND STRENGTHS BRING US STRONG COMPETITIVE ADVANTAGES
 - Ability to realize **complex and sophisticated projects**
 - Specific knowhow in **sustainable construction**
 - Full-service solutions offering the best to customers at each step of the value chain
 - Knowhow to manage a large ecosystem of partners of different sizes
 - Strategic development on high growth markets: Energy and Services, urban development, eco-neighborhoods, smart cities, smart roads
 - Bouygues is well positioned to maintain its leadership and keep the direct relationship with the client

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CONCLUSION

- We have entered a long period of high demand at worlwide level
- The evolution of the construction market leads to high entry barriers and lower cyclicality and thus to a better sustainability of margin
- Bouygues' construction businesses positioning and strengths bring us strong competitive advantages within that market environment



Thank you for attending

