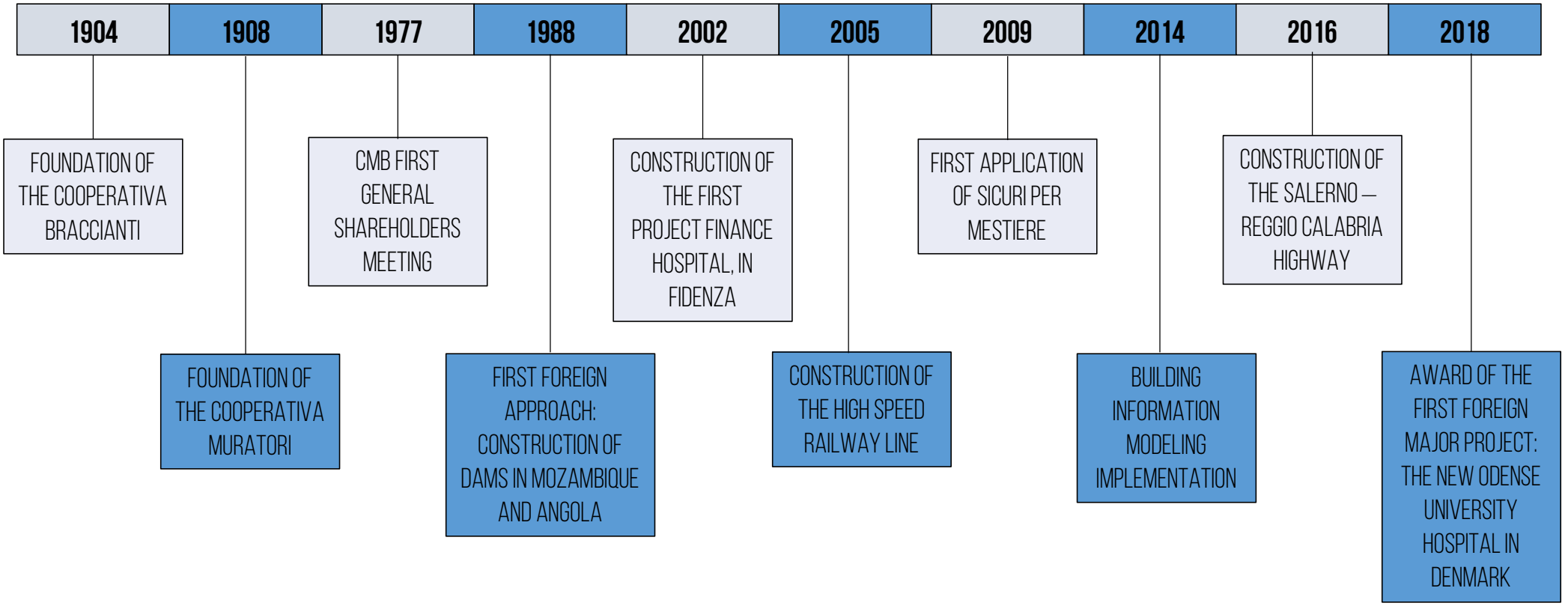
cmb

DESIGN, CONSTRUCTION, MANAGEMENT

Founded in 1908 and with over a century of experience, CMB is solidly grounded in a consistent inter-generational heritage reinforced by the contribution of numerous skilled shareholders and workers who guarantee added value to each project, both in the fields of civil construction and infrastructure.

Design, Construction and Management of large-scale works: CMB is a leader, guaranteeing its customers with quality and expertise in all processes and products. Over the years it has reinforced its excellent construction capabilities by improving its design management capabilities and operation and management skills.

CMB HISTORY - TIMELINE



STRENGHTS

CERTIFICATIONS

UNI EN ISO 9001:2015

UNI EN ISO 45001:2018

ISO EN14001:2015

UNI/PDR 74:2019

SOA GROUP

CERTIFIED PUBLIC WORKS

34 CATEGORIES

SOCIAL RESPONSIBILITY

Pursuit of development in terms of growth and economic results, transforming them into opportunities for employment, security and social progress.

SA 8000

CERTIFICATION

231

MODEL

BIM

Implemented since 2013, after some years of R&D from design to maintenance, it now used extensively in complex projects. Since 2019, CMB is the first Italian construction company to be GA BIM certified. In 2020 CMB obtained the UNI/PdR 74:2019 Certification.

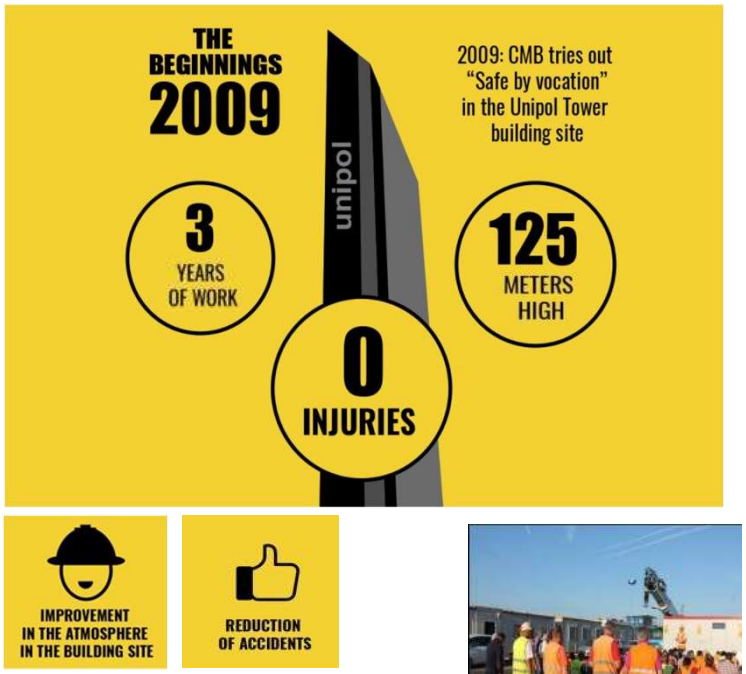
COMMON DATA ENVIRONMENT (CDE)

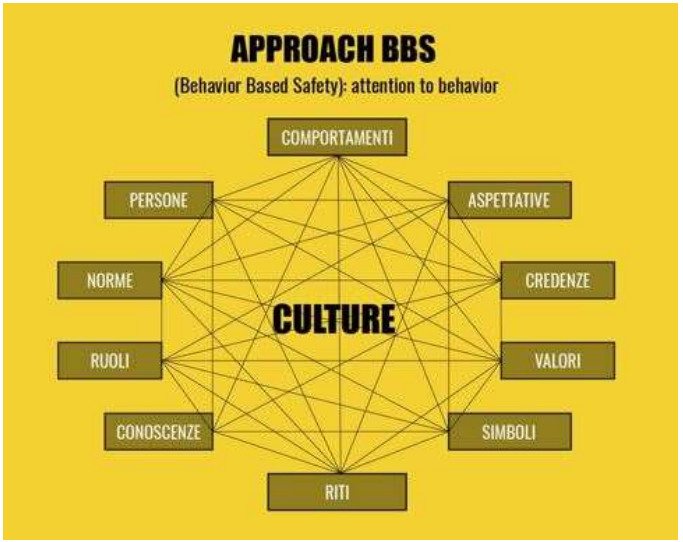
SICURI PER MESTIERE

Sicuri per Mestiere (Safe by Vocation) is a behavior-based project created by cmb in 2009. it flanks the certification system in the task of safeguarding safety and health of the workers in the construction sites.

230.000
BEHAVIOURS EXAMINATED

30.000
WORKERS INVOLVED

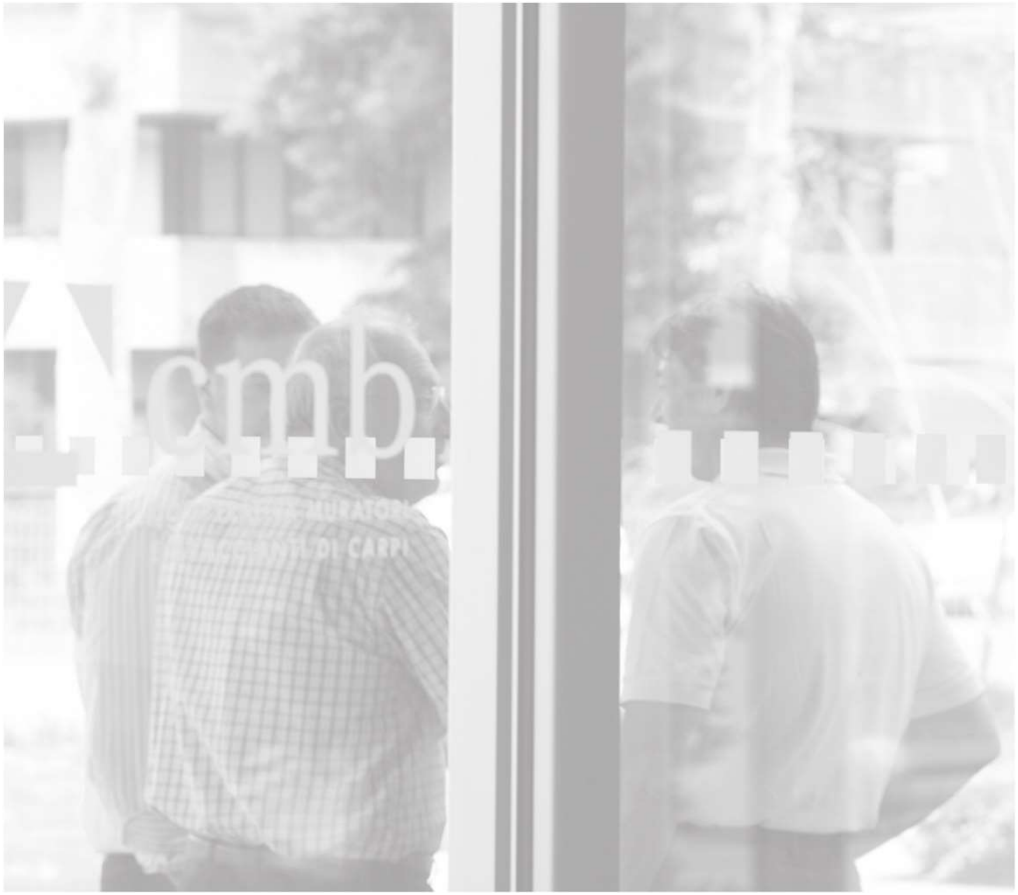


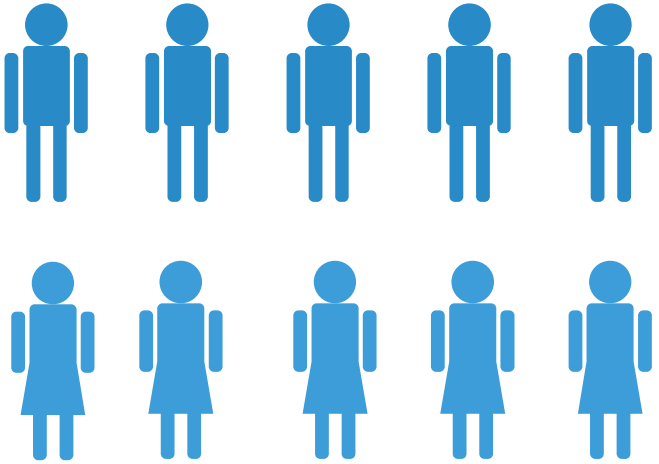


SICURI PER MESTIERE

AWARDS
Social Responsibility Award, Modena 2010
Special Prize, Inform@zione, Emilia Romagna
Good Practice Award, 2012-2013
Special Praise, President of the Republic, 2012
Special Praise, Mayor of Milan, 2012

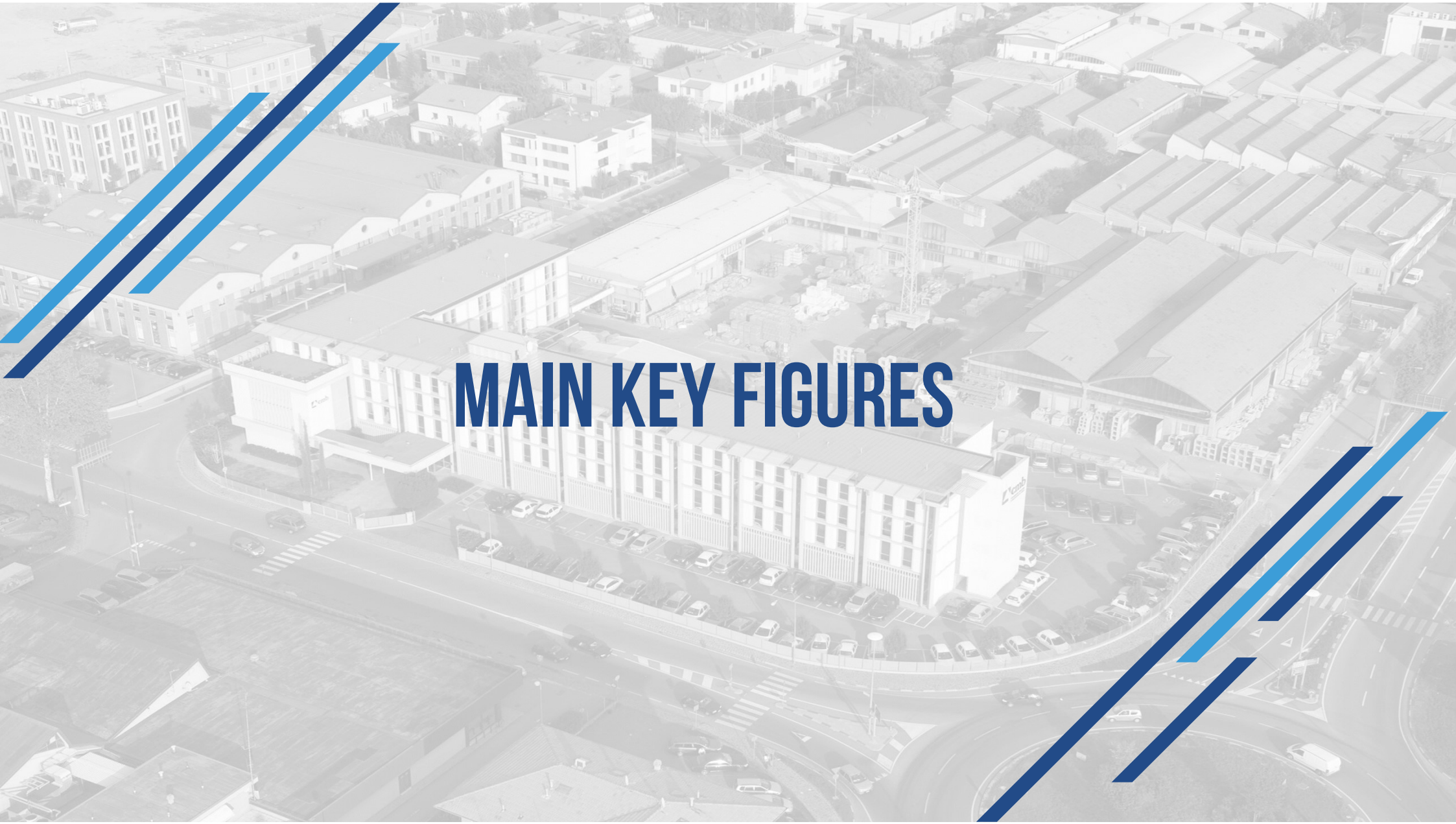
PEOPLE





570 EMPLOYEES

26 SENIOR MANAGERS
353 EMPLOYEES AND JUNIOR MANAGERS
191 WORKERS



MAIN KEY FIGURES

OPERATING PERFORMANCE

(IN MILLION EURO)	2018	2019	2020
PRODUCTION VALUE	474,90	578,58	579,4
PRODUCTION COSTS	-463,49	-568,82	-567,97
OPERATING PROFIT	11,41	9,76	11,44
FINANCIAL INCOME AND CHARGES	-1,67	2,32	6,56
VALUE ADJUSTMENTS TO FINANCIAL ASSETS	-3,98	-0,22	-1,68
EXTRAORDINARY INCOME AND CHARGES	0,00	0,00	0,00
RESULT BEFORE TAX	5,76	7,22	3,20
INCOME TAX FOR THE FINANCIAL YEAR	-1,50	-1,65	-1,28
PROFIT FOR THE PERIOD (EXCLUDING MINORITY INTERESTS)	4,26	5,58	1,92
RESULT FOR MINORITY INTERESTS	-0,20	-0,039	0,93
GROUP PROFIT FOR THE FINANCIAL YEAR	4,46	5,61	0,99

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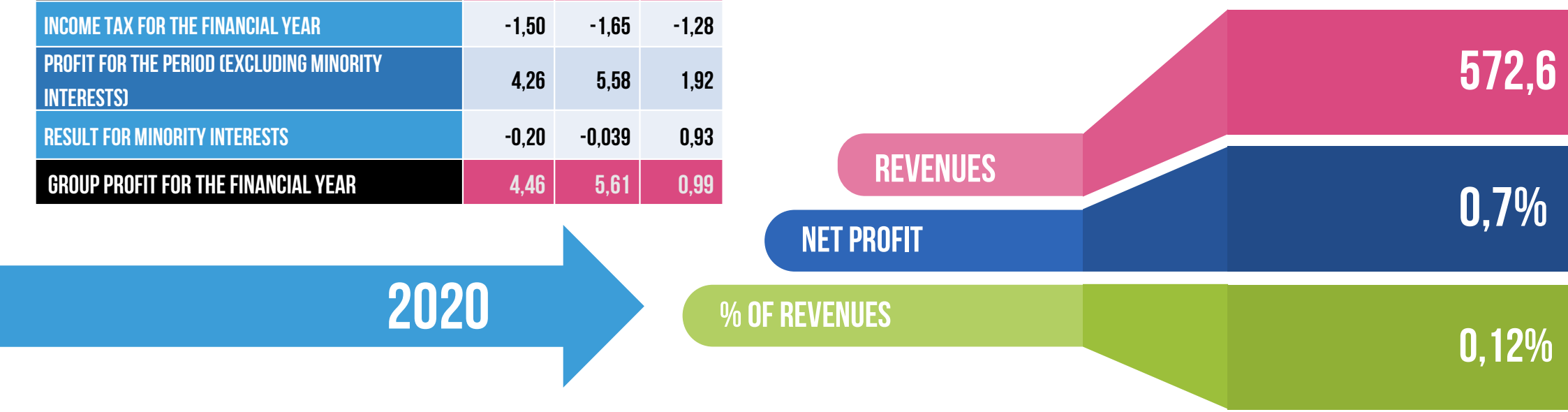
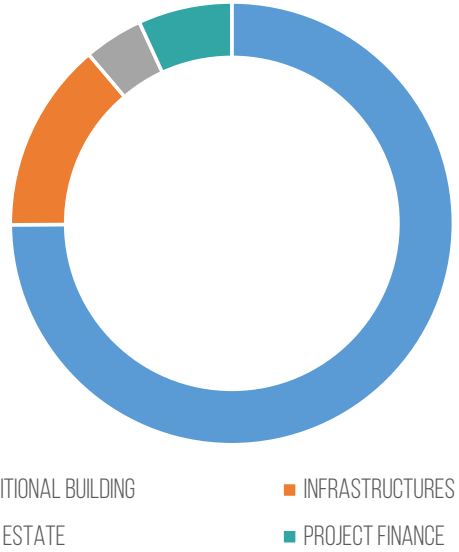
OPERATING RESULTS

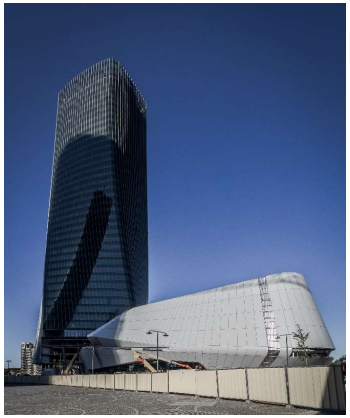
(IN MILLION EURO)	2018	2019	2020
REVENUES	511,8	611,2	572,6
NET PROFIT	4,4	2,7	0,7
% OF REVENUES	0,85%	0,44%	0,12%



2020 ORDER BACKLOG

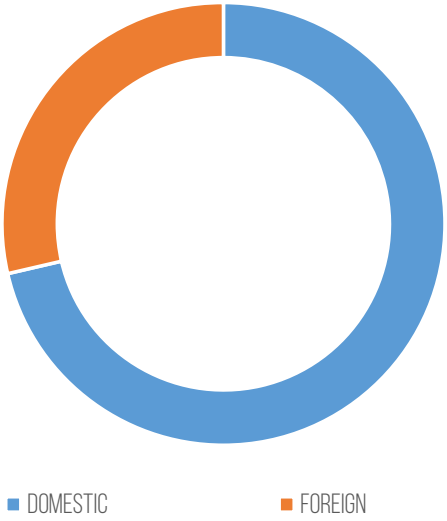
BUILDING	1.121,21
INFRASTRUCTURES	208,45
REAL ESTATE	64,74
PROJECT FINANCE (HEALTHCARE)	102,81
TOTAL	1.497,21

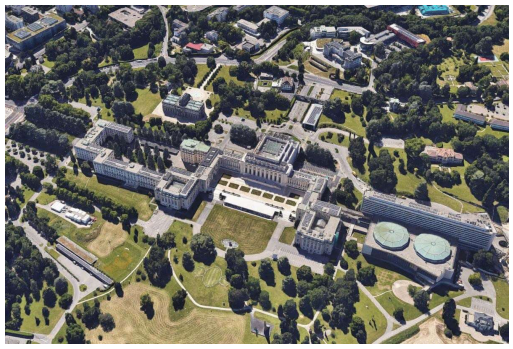




2020 ORDER BACKLOG

DOMESTIC	1.068,86
FOREIGN	428,35
TOTAL	1.497,21





MAIN REFERENCES

PALAIS DES NATIONS
GENEVA - SWITZERLAND

With a total surface of 150,000 sqm, the United Nations Headquarters in Geneva is second in extension only to the New York Headquarters: the offices are located within the 46-hectares Ariana Park and they overlook the Geneva Lake. Built between 1929 and 1936, it is one of the most active multilateral diplomacy centers in the world with 34 conference rooms and hosting around 12,000 meetings per year, attended by over 75,000 delegates and 100,000 visitors. The restructuring project was developed and wanted by the United Nations, in order to guarantee future generations a safe and sustainable structure capable of supporting the UN's important task of working for peace, human rights and the well-being of the world population. The historic buildings will be completely renovated, giving priority both to the protection of the artistic heritage of the Palais des Nations and to modernization: the intervention will involve an overall adaptation of the spaces to improve energy efficiency, the replacement of systems that are now obsolete or deteriorated over time, conference rooms will be renewed with an improvement of technological systems and accessibility for the disabled. One of the major challenges will be to maintain the functionality of the offices during all phases of the construction site.

PALAIS DES NATIONS

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AT A GLANCE

AREA: 150,000 SQM

34 CONFERENCE ROOMS

BIM MODEL

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 245,000,000	ONU	JV LEADER	2020-2023

ODENSE NEW UNIVERSITY HOSPITAL
ODENSE – DENMARK

The New Odense Hospital (OUH) is located in the Syddanmark Region, about 150 km west of Copenhagen. The goal of the Project is to build a New University Hospital which in future will be able to deliver highly specialized treatment of patients within the Region and attract patients from all over Denmark and from abroad.

The Project is divided into two contracts: the first contract includes two lots, DP03 which will host laboratories, clinics and intensive care units and lot DP04 which will host wards, operating theatres, post-operative department, radiology and endoscopy departments; the second contract includes the Clusters, four lots which will host specific wards: DP05 will house Pediatric and Pediatric Psychiatry department, obstetrics & gynecology department, neonatology and pediatric ICU as well as labor and delivery department; DP06 will host accident and emergency wards; DP07 will host high isolation wards, gastroenterology department, clinics and offices; DP08 will host nuclear medicine and radiotherapy departments, oncology clinics and offices. The New Hospital will have an overall surface of 247,000 sqm and 572 patient rooms. It will host 80 ICU boxes, 84 operating rooms, 11 endoscopies, 453 ambulatories and 57 diagnostic imaging rooms, including 10 CT scans, 9 MR, 13 X-ray, 4 PET-CT scans, 4 Gamma camera, 1 PET-MR, 2 Cyclotron and 1 Gamma scan.

NEW ODENSE UNIVERSITY HOSPITAL

cmb

AT A GLANCE

AREA: 247,000 SQM

572 ROOMS

BIM MODEL

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 680,000,000	REGION SYDDANMARK	JV LEADER	2018-2023

KØGE NEW UNIVERSITY HOSPITAL

KØGE – DENMARK

The project of the New Køge University Hospital, located around 50 km south of Copenhagen, involves a comprehensive expansion of the hospital that, at the end of works, will serve the entire Region Zealand. The demolition of part of the two existing ward will ensure optimal integration between new construction and existing buildings, high functional concentration with short transport distances and additional possibilities for expansion for treatment facilities on the site.

The lobby expanded and improved with new features serves as the university hospital's new main concourse with service departments, educational functions, central waiting and distribution areas from which there will be access to all departments. The new construction will ensure a highly concentrated building structure, with three floors of new treatment departments, a technical intermediate floor, all wards located on the floors above, technical plant rooms and helipad platform on the roof.

The building complex achieves a maximum height of at least eight stories.

Automatic guided vehicles will operate on the connecting basement floor below the entire building complex and using dedicated lifts for effective movement of all categories of goods between all building sections and departments and the central sterile supply service, goods reception area and waste management unit.

The pneumatic tube system connects all functions and ensure effective transport of small items such as blood and tissue samples and urgent deliveries of medicine

NEW KØGE UNIVERSITY HOSPITAL

cmb

AT A GLANCE

AREA: 185,000 SQM

789 ROOMS

BIM MODEL

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 325,000,000	REGION SJÆLLAND	JV MEMBER	2018-2023

BORGO ROMA AND BORGO TRENTO HOSPITALS VERONA

The concession agreement covers the design, construction and facility management for the extension and renovation of the Borgo Roma hospital and the Borgo Trento Hospital, both located in Verona.

In Borgo Trento, the project includes the implementation of the new facility “Polo Donna e Bambino” after the demolishing of the former building hosting the maternity and infant wards. The new building develops on 9 floors for a total surface of 37.435 sqm and it hosts Pediatric and Obstetrics / Gynecology wards, as well as the Outpatient Clinics.

In Borgo Roma, the project includes the construction of a new Outpatient facility developing on 10 floors for a total surface of 29.741 sqm. The new building is chained to the existing one and it host new wards, operating theatres and two floors are dedicated to the technical installations. In Borgo Roma, CMB implemented a work schedule aimed at limiting the impact on the day-by day activities of the hospital: in fact, for the whole duration of the works, the hospital activities never stopped nor have them suffered any limitations, and business continuity has been fully ensured.

The overall concession period is 20 years, including construction period. The facility management and maintenance activities performed by CMB involve the maintenance of civil buildings, technical installations and green areas.

CMB developed this project using the BIM technology.

BORGO ROMA AND BORGO TRENTO - VERONA

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AT A GLANCE

29,741 SMQ BORGO ROMA

37,435 SMQ BORGO TRENTO

8 OPERATING THEATRES

500 BEDS

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 127,927,651	AOUI VERONA	JV LEADER	2014-2019

ALTOVICENTINO HOSPITAL SANTORSO

The Project involved the construction and the maintenance of a brand new hospital that covers a total surface of 91,132 sqm: the main building includes three pavilions, connected on each floor by corridors that extend from the east wing of the complex to the entrance area. The main inspiration behind the project is the connection between architectural structures and the surrounding landscape.
The building is coated with ventilated glazed façades in four colors. It is characterized by two connecting bodies and the entrance, with the same architectural motif used on the south side and called “the smile”, due to the pattern created by the beams supporting glass panels. This decorative motif is achieved with a combination of concrete, metal frames, wood, glass and aluminum and it makes the building immediately recognizable.
The Hospital houses a Clinic Laboratory, an Immunohematology Laboratory, a Histopathology Laboratory, a Medical Assisted Fertility Laboratory and a Pharmacy.
The Hospital also houses the largest center of Therapeutic Horticulture in Italy.
The Project included the maintenance of no-core services of the structure (maintenance of systems and buildings, heating, cleaning and catering and waste disposal).

ALTOVICENTINO HOSPITAL SANTORSO

cmb

AT A GLANCE

AREA: 97,132 SQM

17 OPERATING THEATRES

450 BEDS

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 118,316,502	AZIENDA ULSS ALTOVICENTINO	JV LEADER	2008-2011

LIBESKIND TOWER
MILAN

The third CityLife tower, designed by US architect Daniel Libeskind, has 28 floors and it is 175 meters high. The ground floor hosts a highly representative triple height hall, accessible from the Shopping District and the M5 underground station, as well as from the upper level of the new urban square. Offices run from the first to the 28th floor. The 27th floor houses a double-height office and a conference area with three 50-seats rooms. The access to the conference room is controlled by a reception area, which is dedicated to welcoming and registering guests.

The Core is taken up by eight elevators, which are divided into two separated blocks ensuring the highest flexibility for the spaces, also in the event of a multi-tenancy setup. The Core has been designed in order to maximize the efficiency of the internal nucleus, thus pursuing the aim of obtaining a shape as compact as possible while still ensuring spaces flexibility.

The upper part of the Tower is characterized by a glass structure whose geometrical lines complete the spherical tendency, which is crucial to the Tower concept: from a functional point of view, the crown hides the cooling towers, the hoist and the BMU (Building Maintenance Unit) system of access and of maintenance of the façade. CMB implemented in this work the BIM procedure in all phases of construction and management of the building, through a specialist multidisciplinary training of the technicians involved, which allowed an efficient management of critical issues and a clear allocation of responsibilities.

LIBESKIND TOWER MILAN

cmb

AT A GLANCE

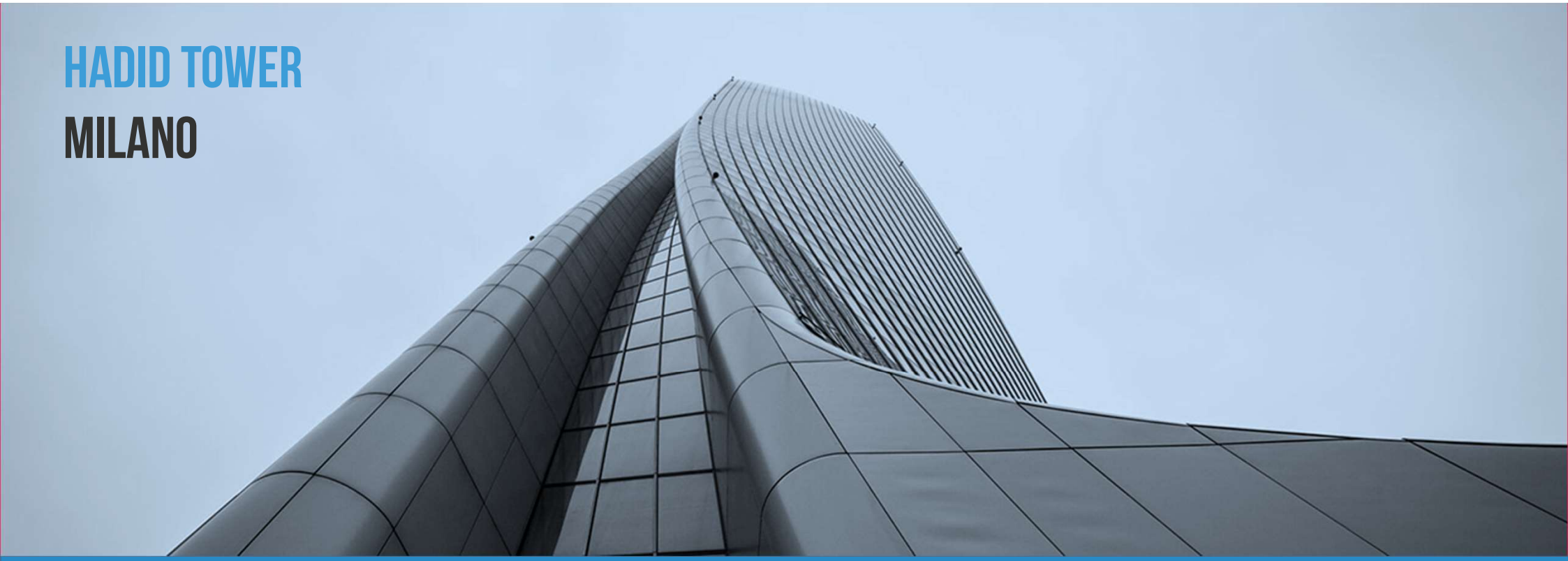
HEIGHT: 175 M

28 FLOORS

BIM MODEL

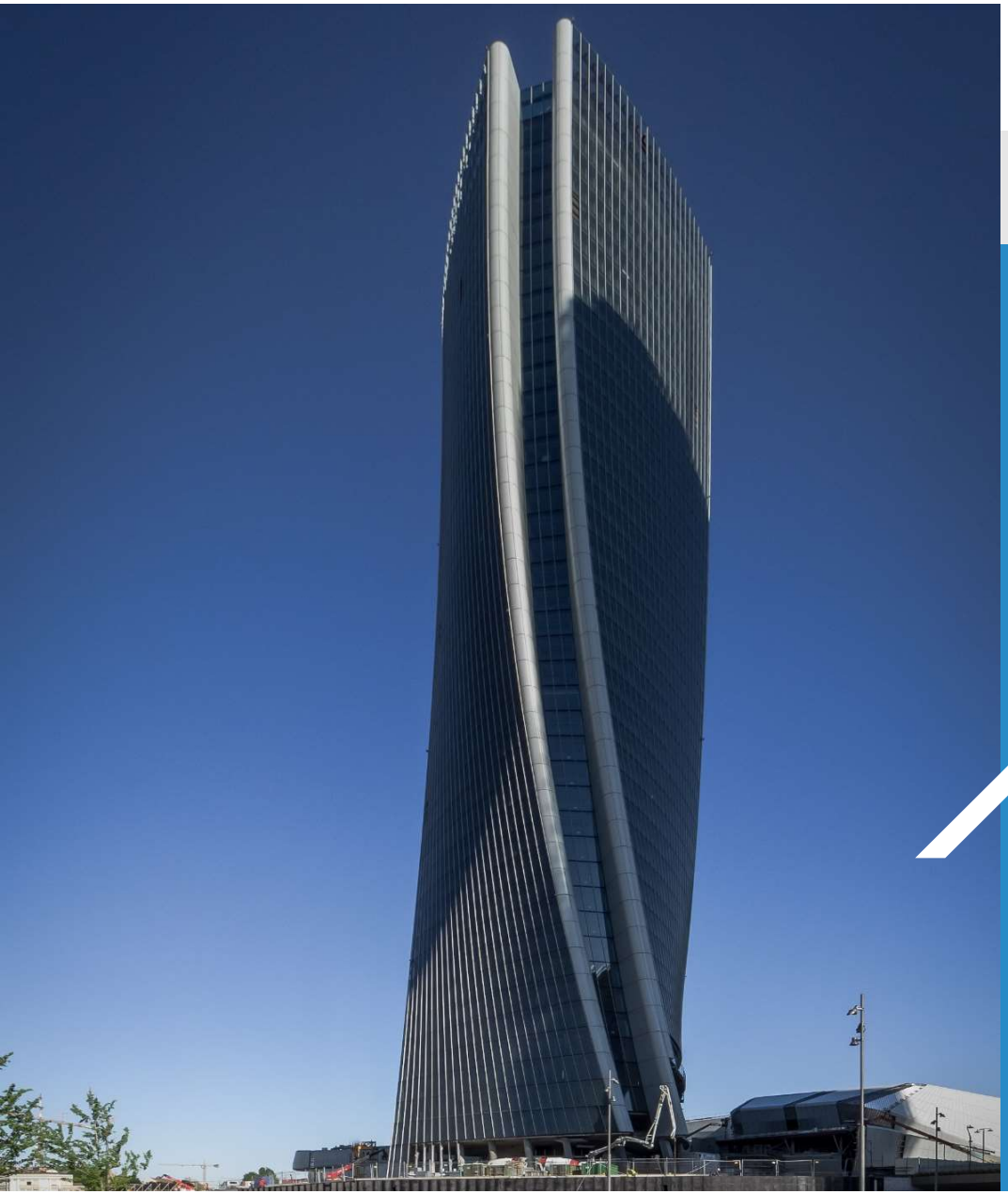
TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 81,400,000	CITYLIFE	SOLE CONTRACTOR	2016-2020

HADID TOWER
MILANO



The Project involved the construction of the second skyscraper by CityLife, a large scale urban requalification project on the area of the former Milan exhibition center. The Tower was designed by starchitect Zaha Hadid. It has a diamond shape and it twists around its central axes (this is why the Tower is called “Storto”, “Twisted” in English). Built in concrete and glass, the Tower has 43 floors for a total height of 170m.

Great attention is paid to environmental sustainability and to containment of energy costs of the building, certified LEED 2009 for Core&Shell Development – level PLATINUM. On the ground floor of the building there are the Shopping District and covered paths connecting the Tower to the underground station. There is a private car park in the basement to accommodate 380 vehicles. The building serves as the headquarters of the Assicurazioni Generali insurance company: from the 2nd to the 40th floor, the tower will host open office space with modulate furniture, partitions, and contemporary data and power distribution system. The Hadid tower has been the first real BIM implementation in CMB, and it was implemented in all phases of construction and management of the building, from the tender to the as built, which represents the building almost completed. CMB developed the BIM methodology through a specialist multidisciplinary training of the technicians involved, which allowed continuous controls, an efficient management of critical issues and a clear allocation of responsibilities thanks processes of augmented reality implemented with tablets and laser scanners on site.



HADID TOWER
MILAN

cmb

AT A GLANCE

HEIGHT: 170 M

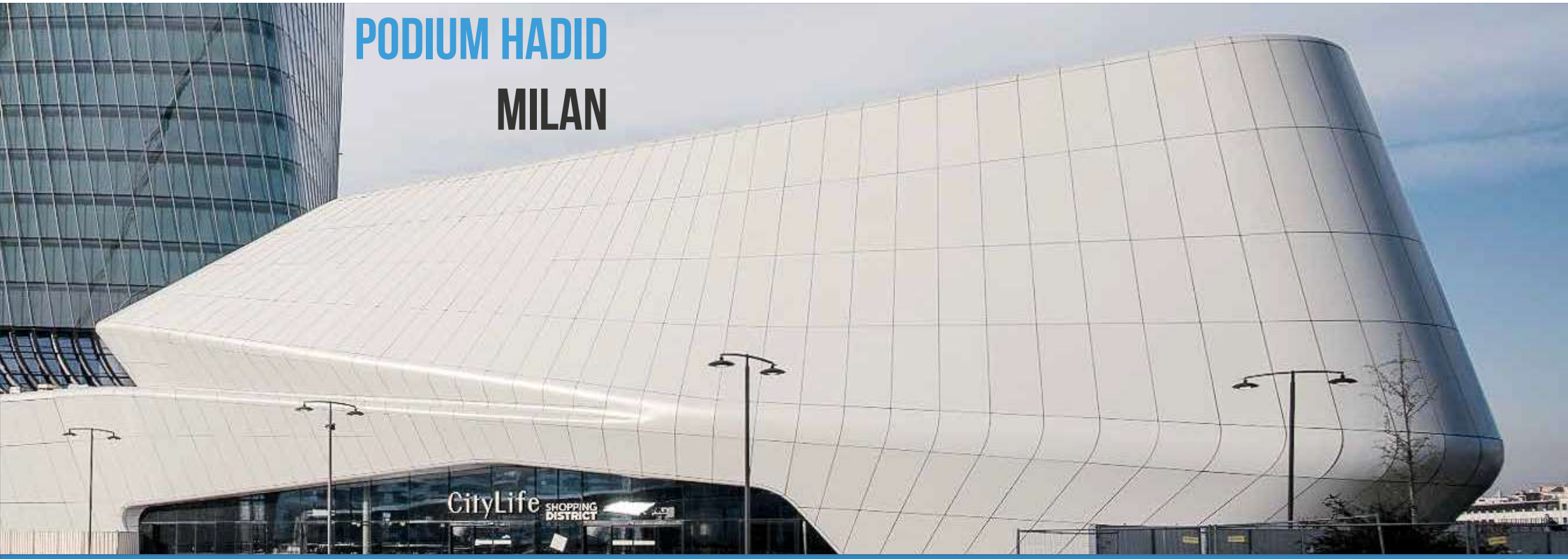
43 FLOORS

BIM MODEL

LEED PLATINUM CERTIFICATION

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 179,908,232	CITYLIFE	SOLE CONTRACTOR	2014-2019

PODIUM HADID
MILAN



The Shopping District, designed by Zaha Hadid Architects Studio, is located at the base of the Hadid Tower.
The City life Shopping District is the fulcrum of the City Life Projects: with a total surface of 32,000 sqm, it is the largest Italian new urban district dedicated to shopping and it has a user basin of 700,000 people. The Podium develops on three levels: one floor is totally dedicated to shops, with 42 commercial units; the food court hosts 13 restaurants with déhors and last floor houses a multiplex-cinema with 7 screens and a capacity of 1,200 seats. The large gallery on multiple levels is entirely covered with wood. In a project like the Podium Hadid, where structures and technical installations must be adapted to the curved surfaces of the architecture, the use of BIM was fundamental to improve the efficiency of the project, increase the geometric control, speed up the revision of the project drawings, increase the quality of construction and reduce construction errors. CMB implemented in this work the BIM 5D procedure in all phases of construction and management of the building, through a specialist multidisciplinary training of the technicians involved, which allowed continuous controls, an efficient management of critical issues and a clear allocation of responsibilities thanks processes of augmented reality implemented with tablets and laser scanners on site.

PODIUM HADID
MILAN

cmb

AT A GLANCE

AREA: 32,000 SQM

42 SHOPS

13 RESTAURANTS

MULTIPLEX CINEMA

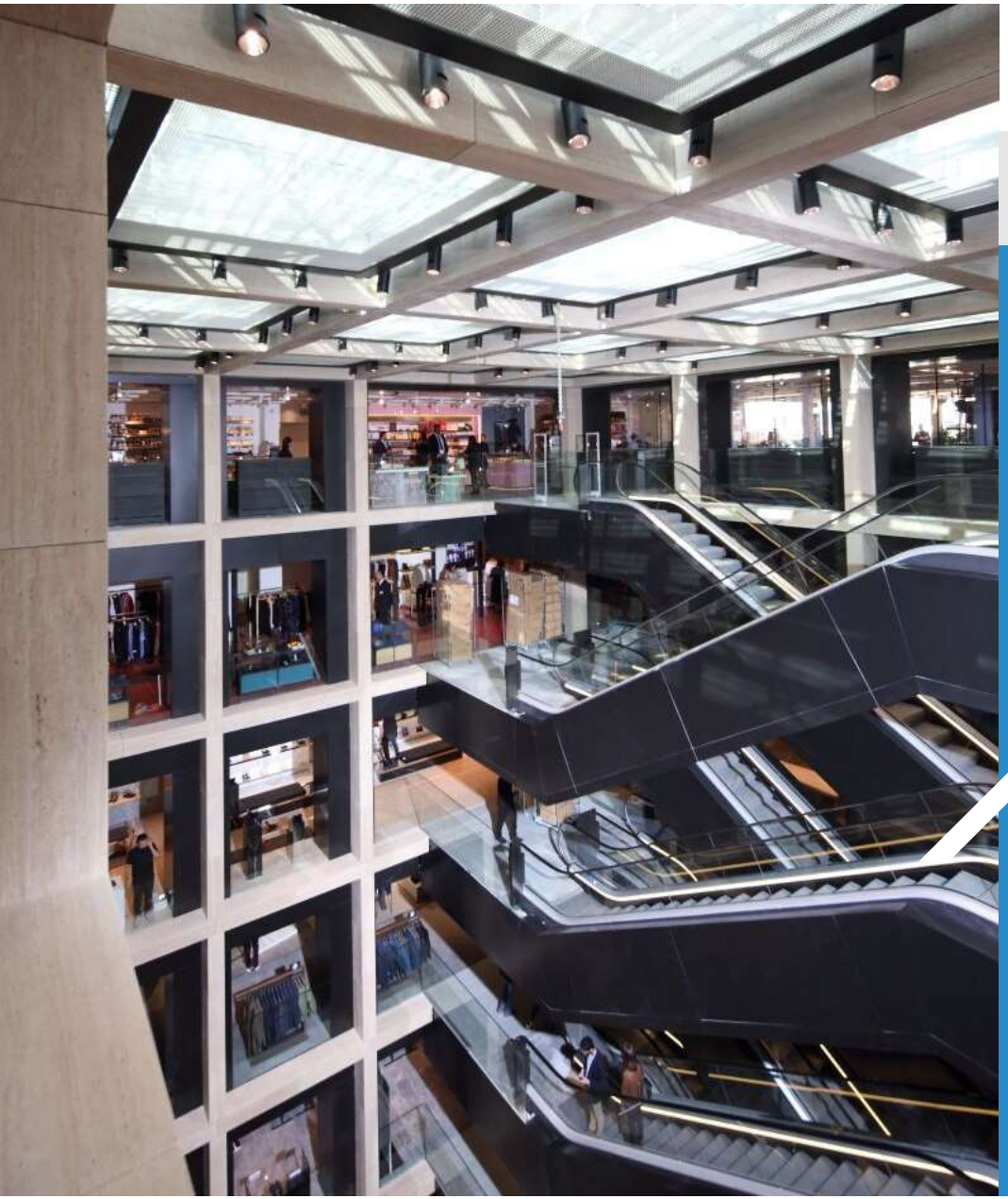
BIM MODEL

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 49.985.271	CITYLIFE	SOLE CONTRACTOR	2015-2017

TRITONE HISTORICAL PALACE

ROME

The works involved the renovation of the historical palace located between via del Tritone and via dei due Macelli, in the very historical heart of Rome. The Project involved the demolition and the reconstruction of the building, according to the existing volume, preserving the historical facades. The building has six floors dedicated to fashion and a top floor which hosts a panoramic food court with four restaurants.
The features of the building, which dates back to the early twentieth century, are a hall with monumental geometry, two panoramic terraces and 60 meters of the ancient Roman aqueduct of the still active Virgin Water that feeds the nearby monument of the Trevi Fountain and that was inaugurated by Augustus in 19 BC.
The discovery of ruins of the Roman imperial age led to a reschedule of the works, which however ended with a result of preservation of historical ruins that embellishes the building even more: archaeological finds can be admired in the basement.
The project develops on a surface area of around 4,000 sqm on seven levels plus a basement, for a total commercial surface of around 17,280 sqm, besides common spaces, hall, technical rooms, warehouses and a new museum space to display the archaeological finds.
The external finishing of the building requested specific works of renovation; internal finishes have all high architectural value, personalized by the different brands that are present in the commercial space.



TRITONE HISTORICAL PALACE ROME

cmb

AT A GLANCE

AREA: 17,280 SQM

800 SHOPS

4 RESTAURANTS

2 PANORAMIC TERRACES

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 37,410,819	RINA ESTATE	SOLE CONTRACTOR	2012-2017

OPERA DEL DUOMO MUSEUM FLORENCE

The renovation and extension of the Museo dell'Opera del Duomo in Florence was a major Project that involved the consolidation, restoration and internal restructuring of the building. This led to the triplication of the museum space and the incorporation of the remains of the 19th Century Teatro degli Intrepidi. The Museum is one of the world's most important exhibition centers of sacred sculptures and it displays a series of priceless masterpieces that represent the epitome of the Florentine Renaissance art of sculpture. The works involved an alternation of different methods, from artistic restoration to modern building techniques. In this way, the construction involved high reinforced concrete pillars and iron lattice girders for the ceiling over the great Sala del Paradiso, in addition to thoroughly consolidating the entire wall structure of the building and the fitting of seismic retrofitting frames. Inside the museum it was recreated the original façade with a full scale model, which was employed to return the sculptures to their original positions. As part of the restoration and structural consolidation, the spaces of the former garage were redeveloped; two new staircases were added to the historical large stairway with the aim of improving the distribution of the museum's access and escape routes and the roof of the great hall was completely rebuilt.

OPERA DEL DUOMO MUSEUM FLORENCE

cmb

AT A GLANCE

AREA: 5,882 SMQ

VOLUME: 31,000 M^3

TOTAL VALUE	CLIENT	ROLE	CONSTR. PERIOD
€ 10,736,283	OPERA DI SANTA MARIA DEL FIORE	SOLE CONTRACTOR	2013-2015

MAIN REFERENCES
PROJECT FINANCE
HOSPITALS

BORGO ROMA E BORGO TRENTO HOSPITALS, VERONA

cmb

CONCESSION

Construction and Management Contract relating to the final and executive design, the construction of expansion and renovation works at Borgo Roma and Borgo Trento HospitalS, and the management of some non-health and commercial services

DURATION:

OCTOBER 2014 – SEPTEMBER 2032

SERVICES:

- FOOD SERVICE
- LINEN RENTAL AND INDUSTRIAL LAUNDERER
- CLEANING AND SANITIZING
- CONSTRUCTION AND PLANT MAINTENANACE

ANNUAL VALUE

21 MILLION EURO

SPV

ARENA SANITA'

PARTNERS

CMB 34,08%
MARKAS 23,15%
REKEEP 10,69%
CIAB 7,62%
GELMINI 6,59%
BOUYGUES 6,59%
SERVIZI OSPEDALIERI 5,20%
SERVIZI ITALIA 3,47

SAN GERARDO HOSPITAL, MONZA

cmb

ANNUAL VALUE

8,6 MILLION EURO

SPV

SYNCHRON

PARTNERS

CMB 37,09%
MFM CAPITAL 30,78%
REKEEP 5,00%
CIR 10,85%
ZEPHYRO 6,85%
SERVIZI ITALIA 4,21%
SERVIZI OSPEDALIERI 0,04%
CEIF 4,08%

CONCESSION

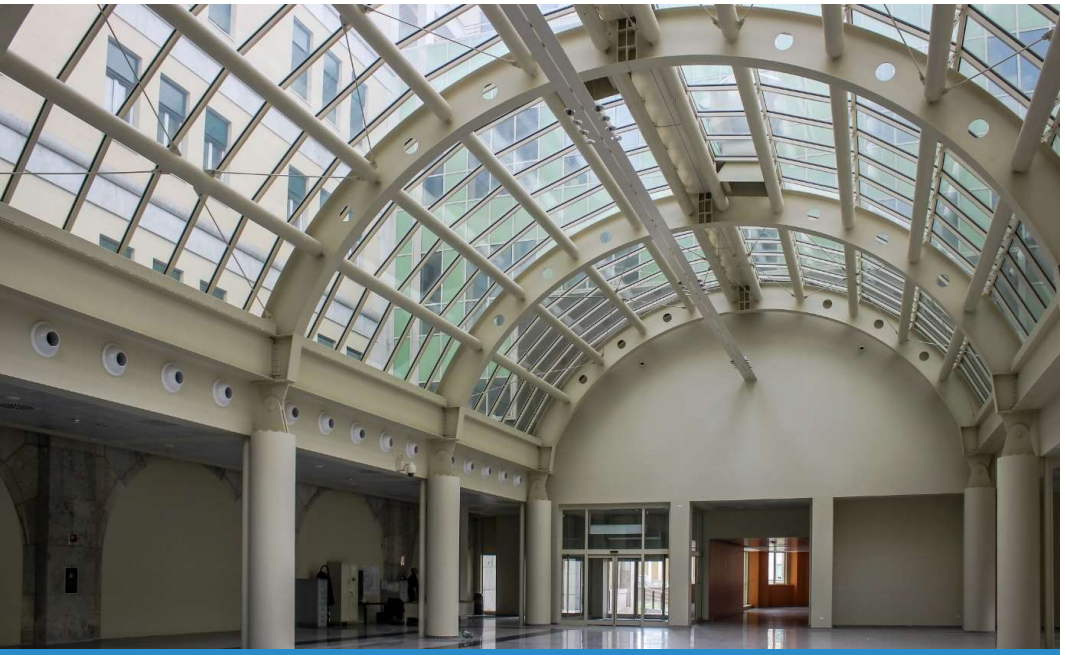
Construction and management concession contract relating to the enhancement, expansion and renovation of the San Gerardo Hospital in Monza

DURATION:

SEPTEMBER 2013 – AUGUST 2044

SERVICES:

- FOOD SERVICE
- LINEN RENTAL AND INDUSTRIAL LAUNDERER
- CLEANING AND SANITIZING
- CONSTRUCTION AND PLANT MAINTENANACE
- WASTE DISPOSAL
- COMMERCIAL SERVICES



NIGUARDA HOSPITAL, MILAN

cmb

ANNUAL VALUE

32 MILLION EURO

SPV

PROGENI SPA

PARTNERS

CMB 41,88%
GEMMO 16,10%
COOPSERVICE 13,30%
CIR 12,40%
SERVIZI ITALIA 3,80%

CONCESSION

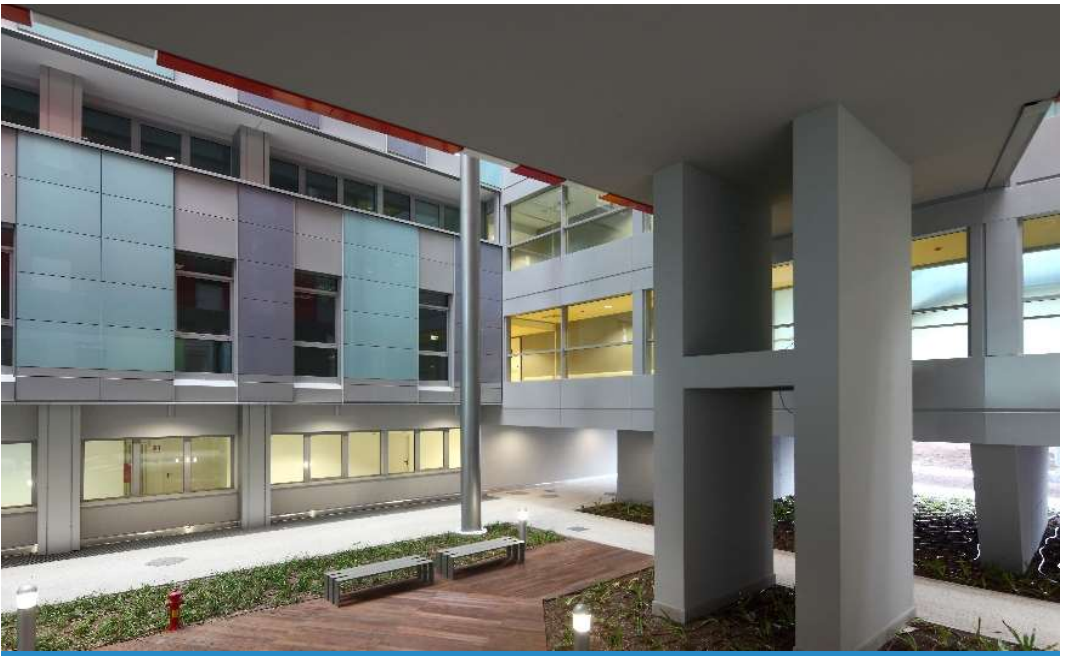
Construction and management concession contract relating to the redevelopment of the "Niguarda Ca' Granda" hospital

DURATION:

JANUARY 2010– DECEMBER 2033

SERVICES:

- FOOD SERVICE
- LINEN RENTAL AND INDUSTRIAL LAUNDERER
- CLEANING AND SANITIZING
- CONSTRUCTION AND PLANT MAINTENANACE
- WASTE DISPOSAL
- COMMERCIAL SERVICES



ALTOVICENTINO HOSPITAL, SANTORSO

cmb

ANNUAL VALUE

21 MILLION EURO

SPV

SUMMANO SANITA'

PARTNERS

EQUITIX 70,10%
CMB 18,98%
GEMMO 4,88%
COOPSERVICE 2%
SERENISSIMA 2%

CONCESSION

Construction and management concession relating to the construction of the "New Hospital of ULSS 4 - Alto Vicentino" in the territory of the Municipality of Santorso (Vicenza)

DURATION:

FEBRUARY 2012 – FEBRUARY 2036

SERVICES:

- CLEANING
- LINEN RENTAL AND INDUSTRIAL LAUNDERER
- CONSTRUCTION, PLANT AND GREEN AREAS MAINTENANACE
- PATIENTS FOOD SERVICES
- WASTE DISPOSAL
- RESERVATION CENTER AND TEST LAB MANAGEMENT
- BIOMEDICAL EQUIPMENT AND FURNITURE MAINTENANCE


cmb