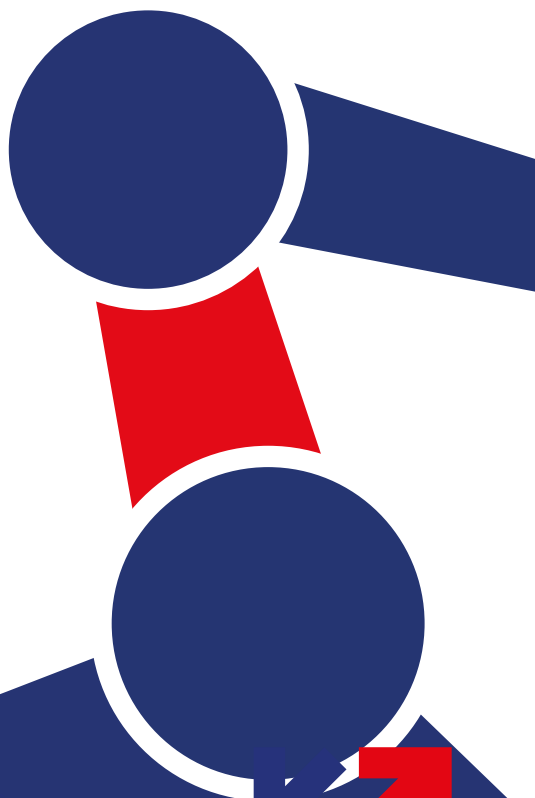


TOMORROW'S BUILDINGS



BUSINESSFRANCE

77

HIGH-TECH INDUSTRIES

2021 EDITION

BUSINESSFRANCE

1 A BUOYANT MARKET

In France, the construction industry had more than 403,000 companies, 1.12 million employees and revenues of €148 billion in 2019 (French Building Federation). In 2019, more than 411,000 homes were delivered, measuring a total area of 33.6 million sq. m. French construction companies carried out €7.6 billion worth of work internationally last year, 71% of which was in Europe. (French Building Federation)

2 COMPANIES THAT ARE PROVING POPULAR

In 2018, three French companies were among the top five European construction champions: Vinci was in first place, the Bouygues group in third position and Eiffage came fourth (Mazars). These companies carry out flagship projects around the world, with examples including the Sports Hub in Singapore, which boasts the world's largest dome, and the Paris law courts, now the largest in Europe, both of which were completed by Bouygues, and Vinci's ITER project building, which will house the largest reactor in the world.

3 MAJOR CHALLENGES AND CONCRETE SOLUTIONS

The building sector represents 44% of the energy consumed in France and is responsible for one-quarter of national greenhouse gas emissions (Ecological-Solidarity). In 2018, the State, the Banque des Territoires and ADEME finalized the sustainable building plan which will see local government buildings made more energy efficient. As part of the stimulus plan announced in September 2020, nearly €7 billion will be made available to make buildings more energy efficient, including €2 billion reserved for households via "MaPrimeRenov".

4 SUSTAINABLE SOLUTIONS

Two French projects were singled out during the 2019 edition of the Green Solutions Awards: the Lyon-Confluence project, winner in the "Sustainable district" category, which aims to double the size of Lyon's city center without increasing greenhouse gas emissions by targeting one million square meters of buildings and infrastructure; and AEREM's construction project for a positive energy plant, which will produce more energy than it consumes, in the Occitanie region, winner in the "Low Carbon" category. (construction21)

5 CONNECTED BUILDINGS TAKE OFF

Connected homes will represent almost all new home sales in France from 2021 (Construction Tech Observatory). Many technological solutions are emerging in this area: SageGlass connected glass from Saint-Gobain, the Building Data Factory by Vinci, and Ubiant's Building Operating System, which makes buildings "aware" of their occupants. (Le Moniteur)

6 FRENCH INNOVATION

The French startup Néolithe offers aggregates with a negative carbon impact, which can be used in concrete and are made from non-recyclable household waste. Meanwhile, Bloc in Bloc uses augmented reality for the construction industry and allows buildings and infrastructure to be inspected faster and Matter'Up produces low carbon concretes from an innovative clay cement.

7 RE2020: GREATER AMBITIONS

The new environmental regulation for new buildings, RE2020, which will come into force on January 1, 2022, aims, in addition to optimizing a building's energy performance, to reduce their carbon footprint.

8 ENERGY AND CARBON REDUCTION ACCREDITATION

Launched in 2016, the Positive Energy and Carbon Reduction (E+C-) building accreditation recognizes the achievement of a level of energy performance for a new building. It is based both on the assessment of the energy balance over all the uses of the building, and on the assessment of its greenhouse gas emissions. More than 1,100 buildings have been given this accreditation. (Certivéa)

9 AN ACTIVE ENVIRONMENT

The Sustainable Building Network, launched at the end of 2018, brings together 25 regional and national resource centers and clusters. Among the French innovation clusters, six work mainly on the development of sustainable buildings: NOBATEK / INEF4, UrbAquitaine in Nouvelle-Aquitaine, Novabuild in Pays de la Loire, FibresEnergivie in Grand Est, Tenerrdis in Auvergne-Rhône-Alpes, and Efficacity and Cap Digital in Ile de France (Paris region).

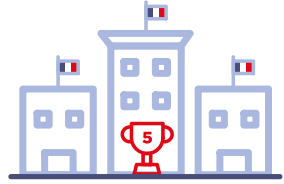
10 AN ATTRACTIVE SECTOR FOR FDI

In 2020, France registered 46 investment projects in the construction sector, leading to 846 jobs. The Danish group Velux, which is a global leader in the roof window market, is investing €3 million in the creation of a new factory with 32 jobs at its Marnay site in Bourgogne-Franche-Comté. (Business France)



#1
HOST COUNTRY
IN EUROPE FOR
INDUSTRIAL
INVESTMENTS

(EY)



3 FRENCH COMPANIES
AMONG THE
TOP 5 EUROPEAN
CONSTRUCTION
CHAMPIONS

(MAZARS)



IN 2019, THE
CONSTRUCTION
SECTOR IN FRANCE
WAS MADE UP OF
MORE THAN
403,000 COMPANIES
AND EMPLOYED
1,121,000 PEOPLE

(FRENCH BUILDING
FEDERATION)



ACCESS TO A MARKET
OF **67 MILLION**
CONSUMERS AND
PLATFORM FOR THE
MIDDLE EAST/AFRICA
ZONE

(INSEE)