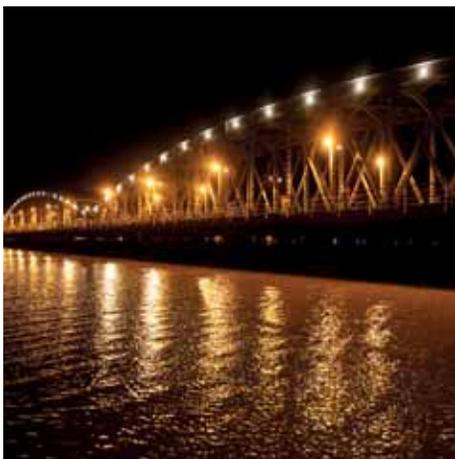
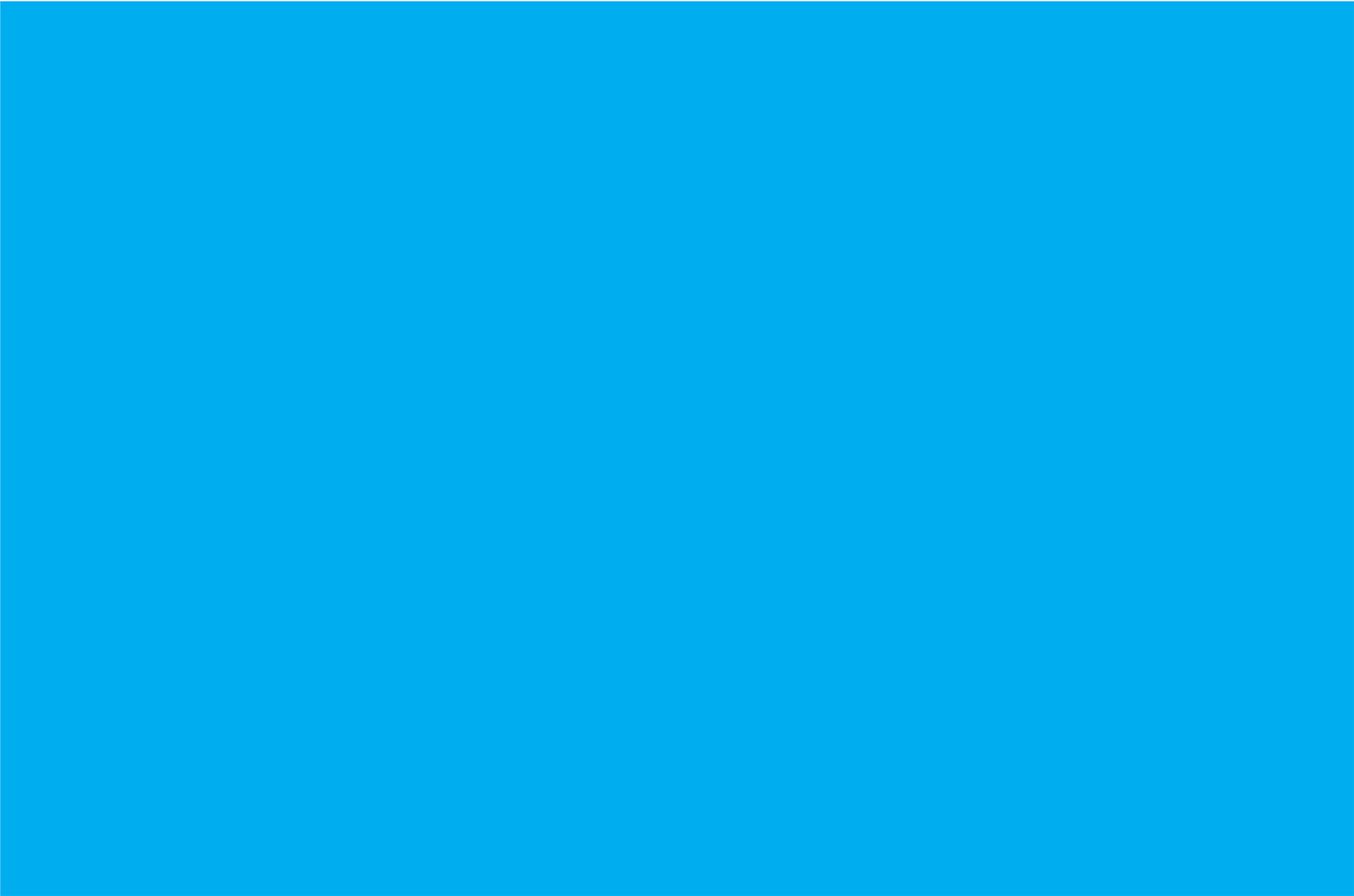


# Eiffage in Senegal

Leading the way to a future with  
a human perspective







# Inventing the future with a human perspective

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**4 divisions,  
8 business  
lines,  
100,000  
projects  
every year**

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KEY FIGURES\*

**€18.1 billion**  
in revenue

**€14.2 billion**  
contracting order book  
at 31 December 2019

**72,500**  
Group employees

Present in more than  
**50 countries**  
worldwide

\* At year end 2019

Every day, our 72,500 employees hone their skills, build cities, connect regions and implement innovative solutions and services to meet people's needs locally. We are spurred on by our firmly established culture of innovation and our compact structure of eight business lines that come together to deliver high value-added projects. Our goal of making the difference is underpinned by the strong values shared by our teams. This is reflected by our unique employee share ownership model, which has been in place for nearly 30 years now.

# 4 divisions, 8 business lines

## Construction

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Eiffage Construction  
Eiffage Immobilier  
Eiffage Aménagement

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Our teams leverage all of their innovative abilities to bring to life the most complex projects and shape the future of urban development, property development, construction, maintenance and works and services. They work in close, long-term partnerships with all the stakeholders in the market and with clients from both the private and public sectors.



Belval (Luxembourg) — Tours Capelli

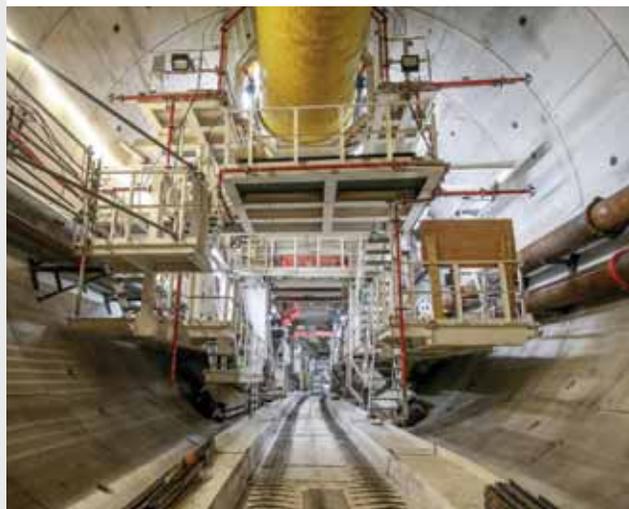
## Infrastructure

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Eiffage Route  
Eiffage Génie Civil  
Eiffage Métal

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Our Infrastructure division possesses all the requisite skills to design and build onshore and offshore infrastructure. Its teams are also specialists in engineering and erecting building shells and metal structures, as well as rolling out multi-technical solutions for every industrial sector.



Grand Paris Express (France) — Tunnel boring machine

The balance between our contracting and concessions businesses means that our short-cycle and long-cycle businesses fit together well from a financial perspective, guaranteeing a high level of stability. The variety of our expertise enables our businesses to satisfy the full spectrum of needs, from the simplest to the most complex.

## Energy Systems

Eiffage Énergie Systèmes

We are inventing a future with a more human perspective by facilitating the energy transition and inventing the energy of the future. Our Energy Systems division designs, builds, operates and maintains sustainable electrical, industrial, HVAC and energy equipment and systems. Eiffage Énergie Systèmes has developed bespoke offerings for a range of markets including industry, networks, infrastructure, towns and local authorities, and the tertiary sector.



Huatacondo (Chile) — Solar energy

## Concessions

Eiffage Concessions

Motorway concessions in France

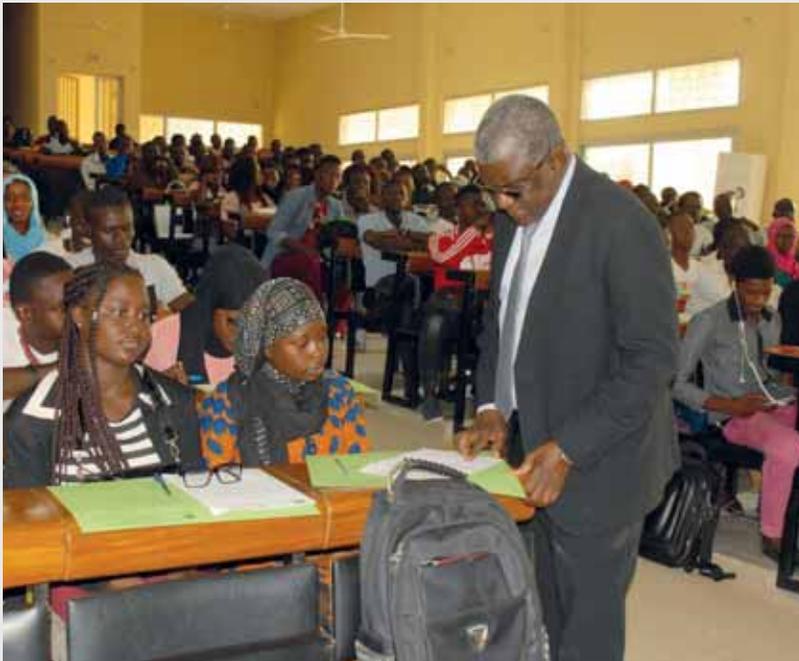
Concession operations involve developing new partnership models to benefit users. Our division specialises in operating motorway concessions and managing large infrastructure projects, public facilities, buildings and urban developments. The division finances, designs, builds, maintains and services structures. The motorway concessions in France operate motorways and toll structures under government-awarded concessions.



Dakar (Senegal) — Autoroute de l'Avenir

# Our commitment and shared values

We owe the outstanding quality of our structures to our 72,500 employees. These women and men from varied backgrounds bring their talents to bear every day to achieve our shared ambition. Through our shared values, we become a resolute organisation working towards a shared vision of excellence and compassion.



# 1.

## Asserting our fundamental values

### Our values

Our values guide us every day. Responsibility and leading by example are the bedrock of our organisation. Transparency and trust inform our decisions. Courage, lucidity and pugnacity drive our growth.

### Employee share ownership

Employee share ownership is an essential part of who our employees are. It embodies our efforts to involve them in the success of our projects and share with them the benefits of our growth. It safeguards our independence, helps to bring everyone together and reflects employees' well-being and trust in the Group.

### Prevention and safety

Eiffage strives to achieve "zero risk" in all its projects and facilities. Through awareness raising campaigns, training and safety audits, we do everything we can to promote exemplary safety behaviour.

## 2. Innovating to meet new energy challenges

### Innovation

We operate as an all-round contractor and integrator of macro-scale sustainable development across our entire range of solutions, promoting smart buildings, faithful restoration of cultural heritage, renewable energy production, eco-design and new forms of mobility.

### Ecological and energy transition

As a result of our collaborative innovation policy and sustained investment in research and development, we are now a major player in low-carbon design and construction, sustainable roads and renewable energy, enabling us to tackle the major environmental challenges of the 21<sup>st</sup> century.

## 3. Promoting employee commitment

### Broader access to employment

We aim to offer as many people as possible without qualifications or experiencing difficulty finding work a chance to earn a qualification and build a long-term career in a large company.

### Eiffage University

Training our employees is a key factor for the success of our Group, allowing us to support careers while developing the skills Eiffage needs to prepare for the future alongside our customers.

### Eiffage Foundation

Our Foundation strives to contribute to the social and economic development of the regions in which we operate through employee involvement. It pursues the mission of contributing to the social and work integration of people in difficulty through training, employment and housing.

# Eiffage in Senegal

## KEY FIGURES

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**4,488**  
contracts

**186 billion**  
**CFA franc**  
in revenue in 2019  
(€283 million)

**350**  
subcontractor companies

**3,800**  
subcontractor employees

**Almost**  
**100%**  
subscription rate to employee  
share ownership

Eiffage in Senegal, formerly known as “Entreprise des Travaux du Port de Dakar”, has been operating since 1926 and since the 1990s has become a true contracting and concessions company with expertise in every business line.

The Eiffage teams are constantly developing their know-how and capacity for innovation. They design and construct buildings, engineering structures, civil engineering projects and power grids. They also implement new approaches and new business lines, such as concessions, public-private partnerships and renewable energies.

## Numerous landmark projects



### Dakar

- Access routes around Cheikh Ahmadou Bamba University
- Sanitation and urban restructuring project in Hann
- Design, refurbishment and redevelopment of Dakar Railway Station
- Construction of Senegal's first wind farm
- Supply and laying of DN 1500 mm cast iron pipe for Lot 2 of the KMS project
- Project to extend the Thiaroye toll barriers to 2 x 8 lanes

### Diourbel

- Construction of link roads to the Thiès–Touba motorway

### Fatick

- Replacement of the Foundiougne–Dakhonga subfluvial cable
- Civil engineering works for the ports at Marsassoum, Baila and Diouloulou

### Sea border between Senegal and Mauritania

- Construction of terminal infrastructure for the Greater Tortue-Ahmeyim project, an offshore liquefied natural gas facility

### Kaolack

- Multi-year works on the Fatick–Kaolack–Kaffrine route

### Matam

- Maintenance of drainage feeders and outfalls for the Dagana, Podor and Matam areas

### Saint-Louis

- Restoration of the Saint-Louis Cathedral

### Sédhiou

- Construction of the bridge at Marsassoum

### Tambacounda

- Urgent repair works to the break in the railway line at Koussanar

### Thiès

- Weed cutting, dredging and civil engineering works for the refilling of the Ngalam basin

### Ziguinchor

- Construction of the Boudody fishing port

# Our local commitments

Eiffage in Senegal has been running community initiatives for more than 30 years, making a difference in areas such as health, education, art, culture and the protection of Senegalese heritage.

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## From health to education

Eiffage in Senegal deploys a range of measures to promote good health and health risk prevention, including regular AIDS-awareness campaigns for employees, subcontractors and local communities. The company also took part in the creation, launch and development of Fann Hospital's heart angiography centre, and helped to build the paediatric cardiology centre to better treat heart disease. Eiffage also helped renovate and equip the clinic on the island of Dionewar and was involved in the construction and renovation of the Annette Mbaye d'Erneville maternity clinic in Ouakam.

For several decades, Eiffage has also been involved in education, aiming to give all young people an equal chance to succeed. Eiffage has therefore helped people in deprived areas benefit from better infrastructure and school supplies.



01



## Environment

Eiffage in Senegal supports reforestation operations, including the “Great Green Wall”, which aims to combat the effects of the desertification of the Sahara and the Sahel. It also contributes to environmental education, artificial reef creation, manatee rescue and regular clean-up operations. Eiffage also participates in the “Stop nylon fishing nets” campaign to clear the sea of lost nylon nets, which harm both the environment and the fishing industry.

The company has supported the Nubian Vault association in its mission to promote a sustainable, environmentally friendly construction technique since 2011. Eiffage in Senegal is also a partner to the Casamance Ecoparc, a 32 hectare nature reserve and eco-lodge in Djembering.



## Culture and heritage

Since 2004, Eiffage has handled organisation and communications for “OFF”, part of the Dakar Biennale contemporary art exhibition (Dak’Art). Eiffage is also strongly committed to preserving the heritage of Senegal’s towns and cities. Following on from its role in rebuilding the Marché Kermel in 1995, Eiffage has taken part in a number of initiatives alongside the Senegalese Ministry of Culture and Communication’s Cultural Heritage Department. These include the organisation of the “Kermel en fleurs” event (2005), installation of classified heritage plaques (2007), restoration of the World War I memorial (2008) and Captain Protet’s grave (2013), and publication of a Dakar heritage plan. Eiffage also renovated the Radiodiffusion Télévision Sénégalaise (RTS) headquarters in Saint-Louis in November 2014.

## Sport

Two international marathons were organised in 2016 and 2019, each attracting approximately 20,000 participants of 65 different nationalities, including 30 elite runners, in six different races. More than 800 Eiffage employees took part in these major events.



**01**  
**Eiffage Dakar Marathon 2019**  
 Over 20,000 runners took part in the second Eiffage Dakar Marathon in 2019.

**02**  
**Market gardening**  
 In 2015, Eiffage supported the women of the Sunu Yaye Economic Interest Grouping (EIG), which involves women who tend market gardens near the toll motorway.

**03**  
**Ousmane Sow exhibition**  
 In 2018, Eiffage celebrated Ousmane Sow, sculptor and member of the Paris Académie des Beaux-Arts, with a retrospective exhibition at their Dakar offices.

## Eiffage Construction

Eiffage in Senegal possesses all the requisite expertise for construction, whether for the creation of new buildings or the renovation of existing structures. Its teams manage projects across the entire sector, in areas such as

01

### Dakar Railway Station

Dakar Railway Station was built in 1885 and linked the city of Dakar with Saint-Louis. It was closed for many years before Eiffage Senegal carried out renovations as part of the regional express train (TER) project.

02

### Senghor Museum

The home of Léopold Sédar Senghor, member of the Académie Française and first president of independent Senegal, was restored and converted into a museum. It opened on 30 November 2014 during the 15<sup>th</sup> Francophonie Summit and is now open to the public.



housing, healthcare, hotels, offices, education, culture and industry. The company has worked with the major public sector agencies and private organisations for decades in Senegal, as well as in neighbouring countries

such as Mali. It works alongside them to complete their projects, whether as a general construction company or as a provider of turnkey or design-build projects.



03

### Nianing Church

Inspired by the "Shell Coast" on which Nianing lies, this church's architecture is based on the *cambium*, a spiral-shaped shell commonly found on the shores of Senegal.

## Eiffage Route

Eiffage in Senegal has built hundreds of kilometres of motorways, roads, bridges and dirt tracks across the country and continues to maintain them, while also creating new infrastructure, such as airport runways, port

**01**

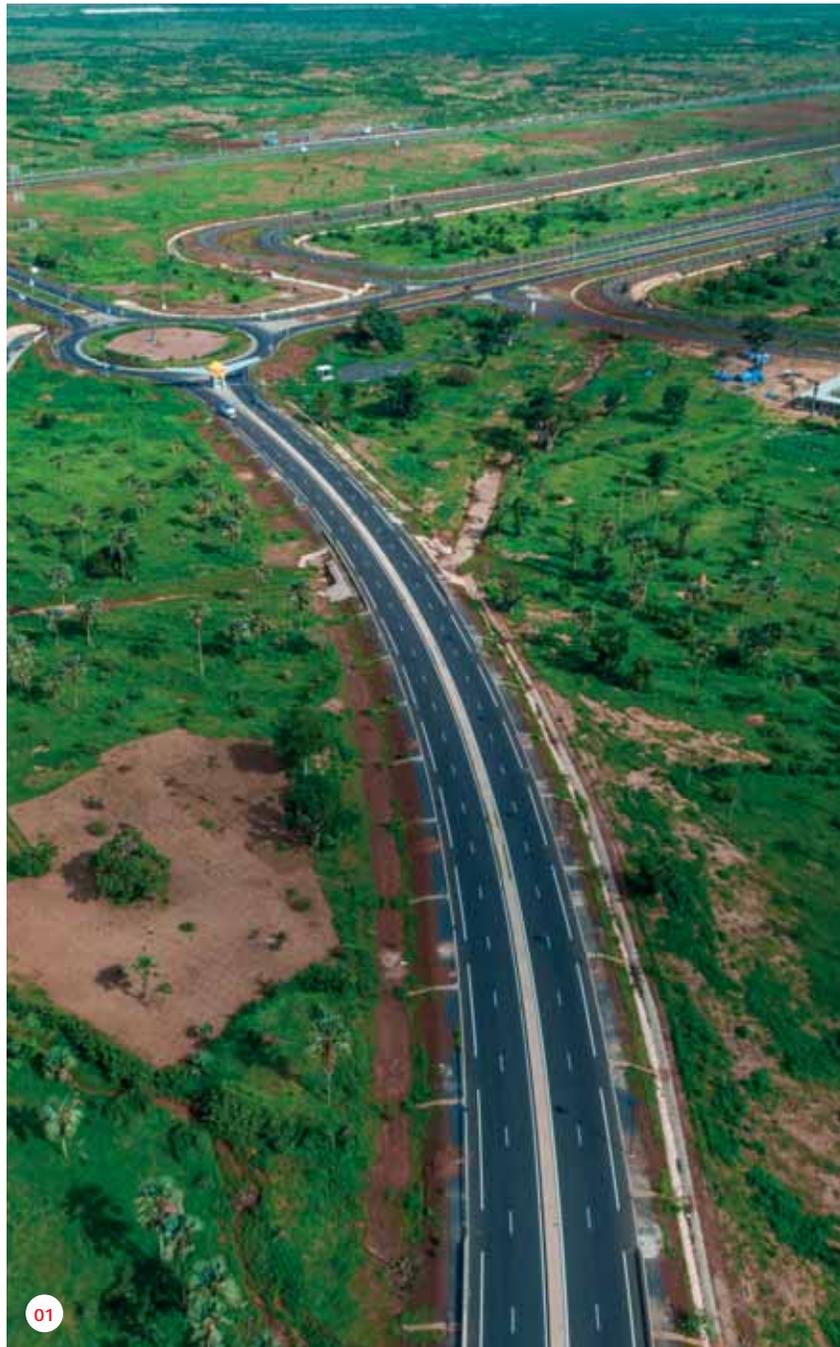
**Dakar–Diamniadio motorway**

A novel and ambitious project, the 30-year concession contract for this toll motorway was signed on 2 July 2009.

**02**

**CICES interchange**

This massive cloverleaf interchange, the first in Senegal, is located in the centre of Dakar.



platforms and railway lines. For its earthworks and road surfacing projects, Eiffage in Senegal is able to mobilise the machinery and specialists best suited to each type of project. The road and other large linear infrastructure

projects entrusted to Eiffage in Senegal are pioneering operations that help to define the country's development path, with a particularly powerful impact on the life of its people.



## Eiffage Génie Civil

Eiffage in Senegal possesses all the requisite expertise in civil engineering techniques, with teams experienced in meeting all the sector's different needs. The company has been working side by side with its Senegalese partners for more than 90 years. This historical

### 01

#### Autonomous Port of Dakar

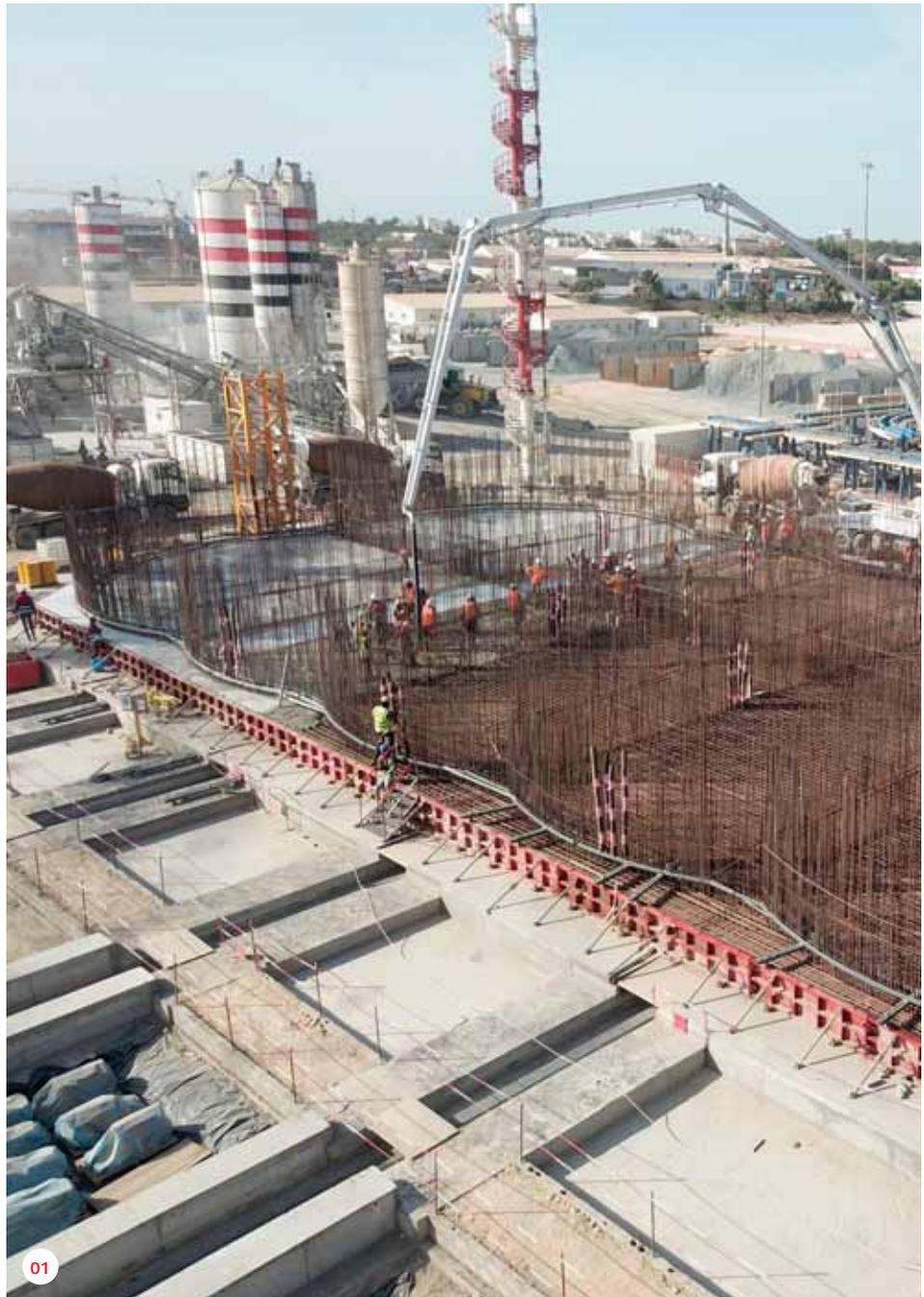
Eiffage has built a solid reputation for maritime works in Senegal, having built almost 80% of the Autonomous Port of Dakar, where it has been operating since 1926 and is now working to reinforce and develop the coastline.

### 02

#### Greater Tortue Ahmeyim project

The Eiffage Group has developed considerable expertise in the maritime sector, thanks to a unit that has been involved in numerous complex international projects over the last 50 years within a leading oil and gas company. In April 2018, Eiffage won the international tender to optimise gas terminal design for the Greater Tortue Ahmeyim field development. This offshore gas terminal is located in water 33 metres deep, 10 km from the coast at Saint-Louis, on the border between Senegal and Mauritania.

In February 2019, BP, which operates this gas field, reiterated its trust in Eiffage by signing the contract for the turnkey construction of this terminal or "hub". All work on the hub must be completed by the end of 2021 to ensure gas production can begin in 2022. The project includes the construction of a protective offshore breakwater formed of 21 concrete caissons on an underwater rubble mound over 1,150 m long. Each caisson (54.5 m long, 28 m wide, 35 m high) weighs approximately 16,000 tonnes. Altogether, they will require 124,200 m<sup>3</sup> of poured concrete. The underwater foundation will be constructed from 1,152,000 m<sup>3</sup> of quarry materials.



presence confers a deep knowledge of the land and perfect mastery of the environmental requirements and hazards of every local project. Whether for maritime or river works, engineering structures, earthworks, water treatment and networks, hydro-agricultural

works (weed cutting), dams or industrial sites, Eiffage in Senegal can handle all of its customers' projects, from the design and geotechnical studies to execution of the work.



## Eiffage Énergie Systèmes

The supply and deployment of electrical infrastructure is a major part of operations for Eiffage Énergie Systèmes, longstanding partner to Senelec, Senegal's national electricity company. Its projects involve everything from installing medium- and high-voltage overhead

01

### Kounoune gas insulated substation

Eiffage Énergie Systèmes has built the first gas insulated substation (GIS) in West Africa, with a capacity of 225kV.



lines to laying submarine, subfluvial or underground cables. The company also installs power grids for industrial facilities across the country. Possessing extensive expertise in solar energy generation, Eiffage Énergie Systèmes is also involved in the construction of photovoltaic

power plants. With unique know-how and years of solid experience in the country, Eiffage in Senegal leads the way in power generation and transmission equipment installations, with expertise in both fossil fuel and renewable technologies.



**02**  
**Taiba Ndiyae wind farm**

Eiffage Énergie Systèmes is a stakeholder in the Taiba Ndiyae wind farm project on behalf of Lekela. The facility covers almost 42 hectares and will generate 158 megawatts of wind power. Work began in the Thiès region in 2018 on this large scale project that positions Senegal as a pioneer of clean energy in West Africa.

**03**  
**Ten Merina solar power plant**

Eiffage Énergie Systèmes has built a solar plant with a total capacity of 30 MWp and a 90 kV substation for Senelec, Senegal's national electricity company.



## Eiffage Concessions

Eiffage in Senegal has operated in the concessions and public-private partnership (PPP) sector for many years.

The Group finances, designs, builds, operates and maintains public-sector projects in partnership with the Senegalese government.

01

### Autoroute de l'Avenir

After having designed, financed and built this infrastructure, Eiffage now holds the concession to operate and maintain the toll motorway between Patte d'Oie, near Dakar, and Blaise Diagne International Airport (AIBD). On average, 150,000 transactions are recorded on the 42.5 km Autoroute de l'Avenir motorway every day. The concession contract will run until 2039.



01

This has proven Eiffage in Senegal's ability to innovate and position itself in an emerging market in the country, drawing on the expertise of the entire Eiffage Group. Its teams are pioneers in this business line, which effectively complements their construction activities, and

possess the know-how required to operate large-scale infrastructure in line with the highest international standards.



## Eiffage Rail

### ► Major projects

The Senegalese government's "Plan for an Emerging Senegal" is part of its programme to promote growth and combat poverty. One of the plan's priorities is to reinforce infrastructure and transport services to underpin sustainable

#### 01

##### Dakar regional express train

Eiffage Rail Senegal is leading the design and construction of the infrastructure for the new regional express train (TER) line linking Dakar and Blaise Diagne International Airport (AIBD). Electric, fast and connected, it will be the most modern train in sub-Saharan Africa.

For the first phase of the project, Eiffage Rail Senegal completed works to a very tight deadline in an urban environment and with the old railway line between Dakar and Diamniadio still in operation. This exceptional project took 30 months, with 2,976 employees, supported by 1,500 contractors, working day and night to install 38 km of new track. This "rebirth" of Senegal's rail network is embodied by the two new operations and maintenance facilities, landmark sites that occupy a total of over nine hectares and house all the rolling stock and infrastructure storage and maintenance facilities.

Eiffage Rail Senegal is now responsible for operating the line, and hopes to promote the development of local know-how by creating a new training centre in collaboration with the Higher Institute of Professional Education (ISEP-Thiès).

The second phase of the project involves the construction of a new line linking Diamniadio Station and the airport. The 55 km journey between central Dakar and the airport will take just 45 minutes, making the TER the backbone of Senegal's new rail network.

The Dakar TER is an impressive technical feat, offering fast, reliable modernity that will open up the most deprived districts in the towns, departments and regions along the line.



01

human development, both locally and nationally. Eiffage Rail is helping Senegal build complex and innovative infrastructure such as the Dakar regional express train (TER) project, which was launched at the end of 2016 and will

eventually link the city centre with Blaise Diagne International Airport, 47 km southwest of the capital.



KEY FIGURES

**180 km**  
of track

**33 km**  
of new roads around the project

**73 km**  
of longitudinal drainage

**110**  
culvert structures

**300,000**  
tonnes of ballast

**26**  
engineering structures  
(culverts, raised crossings,  
railway bridges)

**17**  
footbridges

**1**  
rolling stock and trainset  
maintenance site in Colobane

**1**  
infrastructure maintenance  
site in Rufisque

## Eiffage

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#HumanPerspective