

# Leader in the data centre industry, committed to a sustainable digital world.



## Our goal

Support the development of the global digital economy while reducing the environmental impact of our data centres.

By providing eco-responsible data centres that our customers, investors, employees and the society as a whole expect.

Our contribution to carbon neutrality is based on 3 pillars:



Energy efficiency



Use of renewable energy produced in France



Carbon offset

## Digital Impact

4%

of World's greenhouse gas.

2,5%

of the French carbon footprint.

+550%

computing instances versus 6%+ of data centre capacity between 2010 and 2018.

(source: ADEME ARCEP 2021)

## Concrete commitments

We are contributing to carbon neutrality, with targets based on the GHG Protocol that comply with the Paris Agreements - By 2020, Scope 1 and 2 emissions have been reduced and then 100% offset; we are currently working on Scope 3 to reduce it by 24% by 2030 (baseline: 2018).

2400

tCO2e (scopes 1 and 2)

emitted on average over the last 3 years, i.e. the annual carbon emissions\* equivalent of 210 French citizens.

\*What are scopes 1, 2 and 3?

Scope 1

Greenhouse gases emitted directly by the company: consumption of natural gas, fuel...

Scope 2

Indirect emissions from our power consumption.

Scope 3

Other indirect emissions: employee travel, waste, purchase of goods or services, etc.

68%

Global Carbon Reduction Target

6

Billion in Green Bonds issued

## Digital Realty Group commitment

### Science-Based Targets

Based on Science-Based Target Initiative (SBTi), Digital Realty's global target is to reduce by 68% its direct emissions, and by 24% its indirect emissions by 2030 - in line with a climate change scenario below 1.5 degrees.

### Green Bonds

Digital Realty is the largest «green bond» investor in the data centre industry, with \$6 billion in cumulative green bonds to date.

[Check Digital Realty ESG Report](#)

## Our roadmap

### Energy efficiency

100% of Digital Realty sites in France to achieve a PUE of 1.3 by 2030 – Commitment made under the European Climate Neutral Data Center Pact.

### Renewable energy

Maintain 100% renewable energy supply - produced in France - for Digital Realty sites in France.

### Carbon footprint

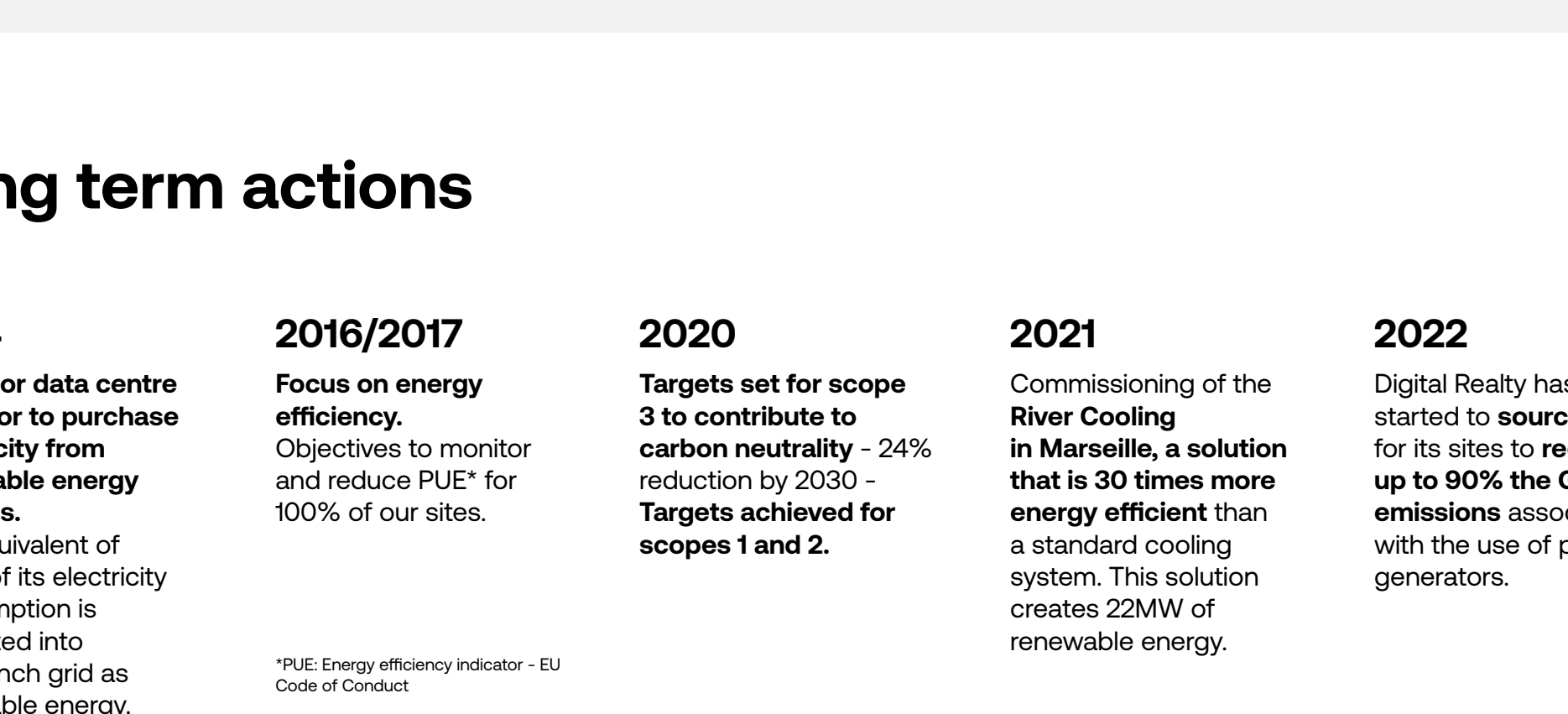
Maintain the Net Zero contribution achieved for scopes 1 and 2, and reduce scope 3 emissions by 24% by 2030.

### Circular economy

Systematic study of the provision of emitted calories to fins of district heating network. Works with its partners to optimize the circularity of infrastructure equipment.

### Carbon footprint - Reduction of Scopes 1 and 2 emissions

Between 2014 and 2022, Digital Realty in France reduced by an average of 20% par year its CO2/sqm emissions for scopes 1 and 2, while increasing customers' IT space by 25% per year.



## Long term actions

2014

1st major data centre operator to purchase electricity from renewable energy sources.

The equivalent of 100% of its electricity consumption is reinjected into the French grid as renewable energy.

2016/2017

Focus on energy efficiency.

Objectives to monitor and reduce PUE\* for 100% of our sites.

\*PUE: Energy efficiency indicator - EU Code of Conduct

2020

Targets set for scope 3 to contribute to carbon neutrality - 24% reduction by 2030 - Targets achieved for scopes 1 and 2.

2021

Commissioning of the River Cooling in Marseille, a solution that is 30 times more energy efficient than a standard cooling system. This solution creates 22MW of renewable energy.

2022

Digital Realty has started to source HVO for its sites to reduce up to 90% the GHG emissions associated with the use of power generators.

\*What is PUE?

Power Usage Effectiveness is an internationally recognized energy performance indicator.

DATA CENTRE ENERGY CONSUMPTION = PUE

IT EQUIPMENT ENERGY CONSUMPTION

The closer the ratio is to 1:1, the more energy-efficient the data centre is. Digital Realty in France is one of the 19% most energy efficient data centres in France (PUE below 1.67).

Source: APL

## Our environmental impact

Renewable energies

100% RE from France.

Carbon emissions

Scopes 1 and 2:

2,800 teq CO2 emitted on average over the last 3 years, i.e. annual carbon emissions of 210 French citizens.

Scope 3:

currently being assessed.

Energy consumption of French Digital Realty data centres

= Consumption equivalent to the city of Arles or 53,000 households.

[See the Digital Realty in France CSR Report](#)

## At Digital Realty, our customers are reducing their carbon footprint

01

Reduce your scope 3 emissions from your data centre and your Net-Zero objectives.

02

Your data centre uses 100% renewable energy produced in France via Guarantee of Origin certificate.

03

Host your IT in data centres with one of the lowest PUE of the market.

04

Be transparent about the impact of your infrastructure to your customers and other stakeholders.

05

Benefit from advices of our Energy Department to reduce your carbon footprint.

06

Benefit from innovations that serve your ESG objectives. E.g. River Cooling in Marseille.

07

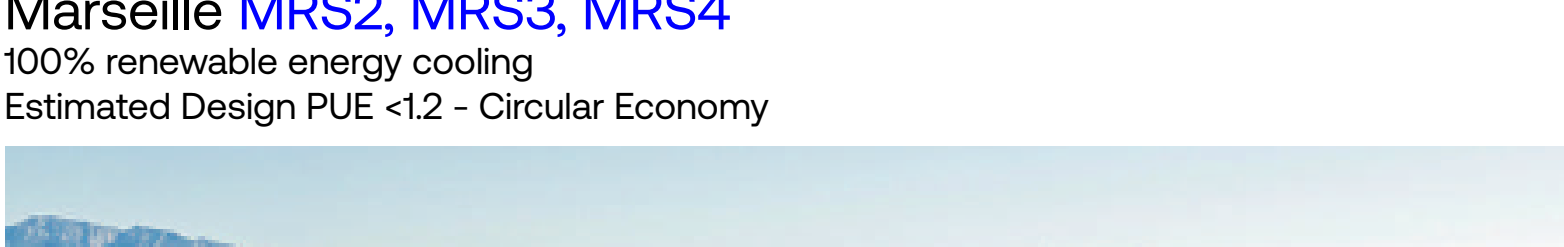
Anticipate climate risks related to your infrastructure with an expert.

[More info about our sustainability policy](#)

## Our latest ecoresponsible data centres

Paris [PAR7](#)

2% of energy performance improvement per year  
PUE Design <1.2



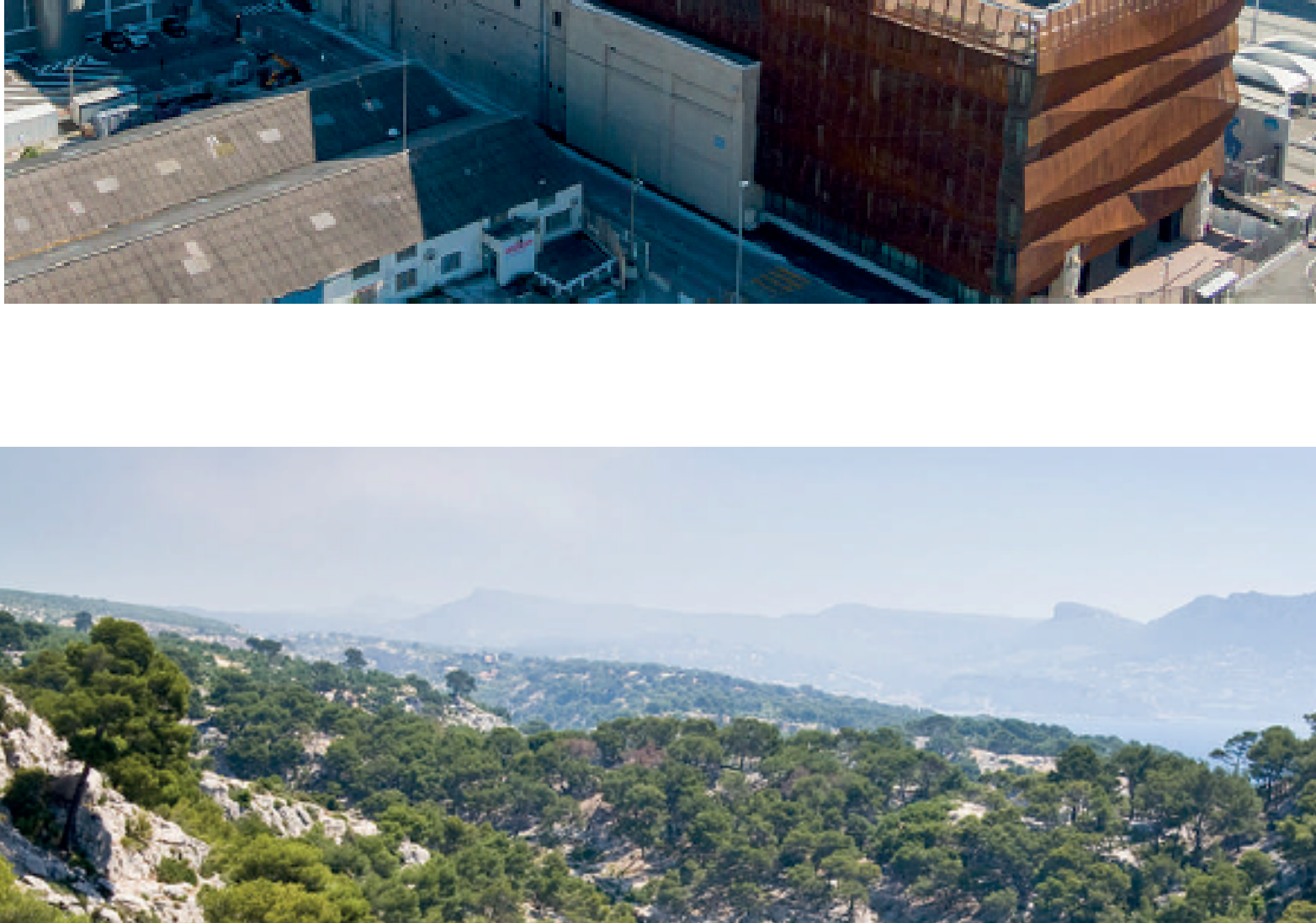
**Free cooling solution:**

Free cooling allows the use of cold outside air to cool the data centre's computer rooms, representing an improvement of 2% concerning energy performance per year.

In Paris, this solution can be used up to 70% of the time.

Marseille [MRS2, MRS3, MRS4](#)

100% renewable energy cooling  
Estimated Design PUE <1.2 - Circular Economy



**River Cooling solution:**

The eco-responsible cooling solution River Cooling has been created with the technical and financial support of Région Sud and Aderme - French Environment and Energy Management Agency. It allows to create 22 MW of renewable energy to cool 100% of the data centres located in the port of Marseille. Over time, the heat generated will be used to heat 500,000 sqm of offices and housing in the Euroméditerranée district.

Watch our River Cooling video



## Digital Realty acts locally

### Recovery Economy and Heat Recovery

Use of the heat generated by our data centres in the port of Marseille to supply the Euroméditerranée urban heating network.

Since 2020, our program to support carbon sinks has made it possible to plant **36,442 trees** in Ile-de-France and the Southern Region with Reforest'Action.



[Learn more about our sustainability policy](#)

### Protects oceans with our partners

1st methodology in the framework of the French low-carbon label dedicated to the protection of Posidonia meadows as a source of carbon storage - Experimentation in the Calanques national Park.

[Check the press release](#)



Digital Realty in France, 1st company in France to obtain the «Ocean Approved» label, launched by the Fondation de la Mer in partnership with the Ministry of the Sea.

[Check the press release](#)

[FONDATION DE LA MER](#)

## Our partners and memberships



Our commitments to the United Nations in line with the Sustainable Development Goals and the Global Compact



### Certifications



ecovadis

Business Sustainability Ratings

Digital Realty in France maintains a 1,500 CSR Heat and Heat Network a 1,500 score of 90/100 on the Environmental section in 2020

### Award

