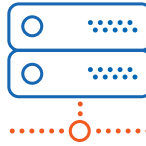


**QUALITY**  
**SCALABILITY**  
**SPEED**  
**ENGINEERING**  
**INTELLIGENT**  
**DATA CENTRES**



**Shared innovation**





# Engineering Intelligent Data Centres

In today's ever changing digital landscape data is the new currency and its growth is exponential. This evolving digital universe is driving the requirement for connectivity and performance, transforming existing Data Centre infrastructure and ultimately spearheading the shift in the industry.

At Bouygues Energies & Services, we are at the forefront of the Data Centre market. Our commitment to Engineer Intelligent Data Centres is driven by our partnering ethos and engineering excellence that you can rely on.

We promise innovative engineering solutions to all our clients, conveying:

## QUALITY

Focus on quality of the end-product from conception to completion with no compromises.

## SCALABILITY

Sustaining growth that is cost effective and supports the scale-up for tomorrow.

## SPEED

Go to market faster by managing and integrating your business objectives.

We can complement your growing business expectations with precision and confidence providing the expertise and experience where it matters!



## Your strategic partner

The success we deliver is built on a truly collaborative approach with our clients. We are committed to being your trusted partner, advisor and engineering expert, meeting the most complex technical requirements with ease, no matter the challenge presented to us. The partnership we forge is built on one universal understanding – listening. Together with our partners, we collaboratively explore ways of leading Data Centre projects.

Our teams are supportive and strive for excellence. Thus, we can infuse greater understanding, innovation, and sustainability into every project. We develop innovative, scalable engineering solutions to actively ensure the Health, Safety and Wellbeing of all our employees and supply chain partners. Our priority is to maximise uptime and long-term performance supporting the scale-up strategies for tomorrow.

For a better tomorrow, protecting the environment is essential. We are committed to minimising our environmental footprint from design through to construction while reducing operating costs without affecting your Data Centre availability. We do this through a strong partnership with our supply chain, communities, and other stakeholders to ensure we support environmental, social value, and governance factors from the beginning.

We ensure the delivery of your project with the convenience of a single point of accountability, completing projects to the highest quality with maximum efficiency. This unique approach enables us to set new delivery standards for challenging Data Centre projects and makes us a trusted partner for our clients.









# Experts in the delivery of high performance and resilient technical spaces

Our state-of-the-art facilities not only exceed the highest industry standards and conform with industry regulations, but they also ensure continuous operational efficiency and resilience day in, day out, around the clock.

Regardless of the complexity or size of your project, our team brings a wealth of knowledge with the seeds of innovation into the design and build of Intelligent Data Centres. With over 25 years of industry experience, our integrated design and build solutions are focused on performance in the most secured and safe environment, from the outset.

From conception to completion, we keep in mind the objectives of our clients and operators. Our expert teams provide solutions based on digital models applying Building Integrated System (BIM) to our design and build offer. This approach enables us to work in total transparency, build trust while mitigating risks and speed the delivery of the project.

Beyond the promise of collaboration and trust, we are challenging the norm and committing to innovation. We developed prefabricated modular solutions – ‘Building Blocks’ – that allow scalability, reduce risk and meet the increasing MW demand and speed to market of the European Data Centre market.

With every Data Centre we design and build, we relish the challenge to make the seemingly impossible possible.

# Highly resilient design and build solutions to guarantee operational excellence

Whether you require a new build, fit-out, refurbishment or infrastructure upgrade, we collaboratively explore ways of leading Data Centre projects to enhance client benefits; quality, scalability and speed to market.

We think differently about the whole project lifecycle. It takes genuine passion and determination to challenge traditional design and build methods. Rather than relying on traditional practices, we bring alternative solutions to our clients based on:



## Intelligent by Design

Driven by design philosophy, our highly qualified team of Uptime Institute designers adopt an “Intelligent by design” principal into each build. By leveraging the latest technologies, we embrace innovative practices to offer up-front analysis in the form of in-house design consultancy studies to enhance power, connectivity, security, flexibility and sustainability with a focus on low energy solutions.

Our “Intelligent by Design” strategy comprises of:

- Front-End Development
- Design and Engineering
- Detailed Design
- Mechanical, Building Services
- Electrical HV/LV
- ICN, Security, CCTV and Access Control
- Control and Instrumentation
- Energy Performance





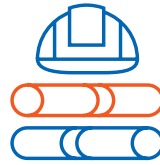


## Intelligent by Build

Implementing our “Intelligent by build” strategy, we bring both traditional and modular construction techniques, sourcing and installing resilient infrastructure. Working with innovative methods in building techniques, we are reducing exposure to risk, minimising onsite labour peaks and removing co-ordination pain points and high risk activities. Everything we do is led by strong health and safety ownership and mindset.

Our “Intelligent by Build” strategy comprises of:

- Design Management
- Programme Planning
- Project Management
- Procurement
- Modular Prefabrication
- Construction and Fit-out
- ICN Management
- Installation



## Intelligent by Commissioning

Commissioning is a vital activity in the entire Data Centre project. We are one of a few companies with the expertise and resources that are able to offer this in-house service using our own best in class commissioning team. Our approach to commissioning is to begin at the earliest stage of a detailed design ensuring seamless integration of Integrated System Strategies, early exchange, and agreement with our client’s teams from the outset.

Our “Intelligent by Commissioning” strategy comprises of 5 bespoke stages:

- Quality: Installation and QA/QC
- Accuracy: Pre-startup, Testing
- Integrity: Startup, Energisation
- Traceability: Functional, Testing
- Repeatability: Integrated Systems Testing Certificate



# Harnessing the power of collaborative working

Working in close partnership with all our clients, as an extension to your team, we share your journey every step of the way. Our fully integrated approach and commitment to solving the most complex technical challenges ensures the accelerated delivery of your strategic vision and yields long-term, sustainable business outcomes as your partner. We have a proud history of hyperscale, colocation, end-user Data Centre projects with our clients who trust us to deliver on budget and on time, every time.



## **VIRTUS Stockley Park Campus, Stockley Park, UK**

Data Halls: 37,000m<sup>2</sup>

IT Power: 86MW



## **Confidential Data Centre, Italy**

Data Halls: 6,400m<sup>2</sup>

IT Power: 5.6MW



## **Confidential Data Centre, Wales**

Data Halls: 13,000m<sup>2</sup>

IT Power: 40MW



## **Interxion, MRS3, Marseille, France**

Data Halls: 6,900m<sup>2</sup>

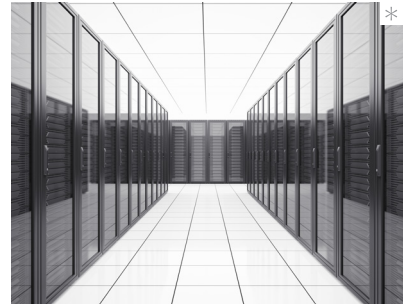
IT Power: 16.6MW



## **EQUINIX, PA12, Paris, France**

Data Halls: 9,000m<sup>2</sup>

IT Power: 33.6MW



## **Confidential Data Centre, Germany**

IT Power: 56MW

\*Image for illustration purpose only

# A global partner with a local footprint

At Bouygues Energies & Services, we bring together people, data, and services to benefit a better today and tomorrow for our clients, society, and environment. We engineer Intelligent Data Centres and specialise in the delivery of technically challenging and programme sensitive projects. Our geographical strength gives us coverage to deliver projects wherever our clients need us. With a local reach of offices and employees in key countries, we can provide the local labour and highly experienced resources together with the structure of an in-country robust supply chain. Supported by Bouygues Construction, we provide a strong financial background to deliver our projects. Our people have the technical expertise and passion to shape and engineer the growth of the global data centre digital network.

The strength of our local knowledge, achieved through our truly global reach.

We have delivered the following for hyperscale, colocation and wholesale, end-user Data Centres clients:



over 190,000m<sup>2</sup> of IT space



over 400MW of IT power



# HYPERSCALE, COLOCATION AND WHOLESALE END-USER DATA CENTRES

for the industry of today and tomorrow.



[www.bouygues-es.co.uk](http://www.bouygues-es.co.uk)  
[contracting@bouygues.co.uk](mailto:contracting@bouygues.co.uk)



Shared **innovation**