

## SERVICE DEFINITION

# Information management for cloud

## Optimising BIM with Expert CDE Strategy, Configuration, and Support Services

## FEATURES

- **Structured Data Management:** Utilises ISO 19650 for efficient information handling.
- **Common Data Environment (CDE):** A single source of truth for project data.
- **Federated 3D Modelling:** For design coordination, clash detection, and digital twins.
- **4D Construction Planning:** Integrates scheduling with models for clear planning, execution and maintenance timelines.
- **5D Cost Estimation:** Enables dynamic cost management through model-based estimations.
- **6D & 7D Sustainability and Facility Management:** Adds facility and sustainability data to the project information model.
- **Virtual Reality Preconstruction:** Visualises projects before ground is broken.
- **Animation:** Visualisation of processes for stakeholder engagement and review of risks.
- **Risk Mitigation and Cost Reduction:** Strategies for reducing material waste and improving efficiency.
- **Collaborative Workflows:** Encourages seamless collaboration across disciplines.
- **Training and Supply Chain Development:** Ensures effective use of new software and practices.

## CONTEXT

In today's complex construction landscape, organisations face immense challenges in managing vast amounts of data across various stages of construction projects. A well-implemented Common Data Environment (CDE) and data rich Building Information Modelling (BIM) is crucial for fostering seamless collaboration, maintaining data integrity, and ensuring compliance with industry standards like ISO 19650. Without a robust CDE, organisations risk data fragmentation, inefficiencies, and compliance failures that can lead to costly delays and error-prone project outcomes.

## OFFER

Our service provides a strategic, customised approach to setting up and maintaining a CDE that aligns with organisational needs and project requirements. By adopting our comprehensive CDE strategy and support, organisations can enhance decision-making, improve project delivery timelines, and reduce overall project risks, positioning them to meet the demands of modern construction projects efficiently and effectively.

## Benefits

- **Maximises Efficiency:** Across the project lifecycle for time and resource savings.
- **Improves Productivity:** Accelerates delivery with streamlined workflows.
- **Reduces Risks:** Enhances health and safety with predictive planning.
- **Lowers Lifecycle Costs:** Through improved prediction and reduction strategies.
- **Enhances Decision Making:** With smart technology utilisation over asset lifecycles.
- **Boosts Stakeholder Engagement:** Through better collaboration and visualisation.
- **Improves Design Coordination:** With federated models and structured data reducing errors.
- **Facilitates Onsite Collaboration:** Ensures all parties have insight into project progress.
- **Streamlines Facility Management:** For a stronger building handover process.
- **Supports Sustainability:** By embedding sustainability information into project phases.

# BENEFITS

## OFFER SHEET

# ABOUT ASSYSTEM

## OUR COMMITMENT TO THE ENERGY TRANSITION.

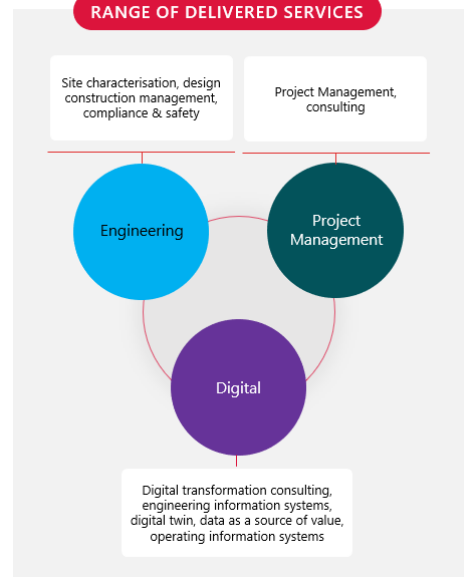
The fight against climate change is one of the priorities of the century. It implies an energy transition on a global scale, with the objective of **making safe and sustainable energy accessible** to all populations.

Assystem's mission is to help **step up the energy transition throughout the world.**

This is what we put all our energy into. Coupling **our historical engineering expertise and project management with digital technologies.** To ensure a viable, efficient and reliable energy future for all.

**The need to advance the energy transition,** means our clients and engineering teams are committed to **accelerating project performance.**

## RANGE OF DELIVERED SERVICES



## WITH ASSYSTEM'S DIGITAL OFFER,

### OUR EXPERTS ENSURE CUSTOMERS BENEFIT FROM:

  
Adaptation to their **DIGITAL HERITAGE**

  
**IN-DEPTH KNOWLEDGE** of their processes and business constraints

  
**SUPPORT and CONSULTANCY** at every stage of the project

  
**A FLEXIBLE, MODULAR OFFERING:** tailor-made solutions or specific modules

  
Strong **SAFETY and SECURITY** culture

  
**EXPERTISE** in all market technologies

  
**TOTAL INDEPENDENCE** from technology suppliers

To address these challenges, digitalisation is a lever for competitiveness, making it possible to tackle the various **economic, regulatory and security issues** by ensuring better overall collaboration between stakeholders across an extended company ecosystem.

## Why Assystem

### YOUR DIGITAL PARTNER



+ 900 specialists and digital experts



58 years of infrastructure expertise



International expertise UK, France, India and KSA

Assystem is renowned for its pivotal role in empowering owners, contractors, and OEMs to develop, deliver, and operate critical infrastructures within the nuclear energy, defence, and transportation sectors. Our history is marked by a commitment to sustainability and efficiency, particularly in advancing low-carbon solutions.

Leveraging our business acumen and a robust track record in digital technology, Assystem's multidisciplinary teams synergise extensive infrastructure expertise with innovative digital methodologies. This fusion enables us to offer "augmented" engineering services and solutions that address the unique challenges of each sector we serve.

What truly distinguishes Assystem is our tailored approach, borne from deep-seated knowledge of sector-specific processes and the business environment. At the core of our business is a relentless pursuit of excellence that drives project performance and optimises delivery. This commitment is why cloud migration and digitalisation are integral to our strategy, serving as critical tools in navigating economic, regulatory, and security landscapes. Such advancements foster unparalleled collaboration within an expanded organisational ecosystem.

Assystem remains steadfast in our dedication to our clients, with a proactive vision that not only meets the present challenges but anticipates the future. Partner with us for a transformative journey where engineering prowess meets digital innovation to create resilient and forward-thinking solutions.