

A photograph of two electrical engineers in a substation. They are wearing orange hard hats and high-visibility orange and yellow safety vests. One engineer is holding a tablet, and both are looking at the screen. In the background, there are large electrical transformers and power lines. A semi-transparent dark grey box is overlaid on the bottom half of the image, containing the main title and subtitle.

# OPTIMIZING ASSET PERFORMANCE WITH iAIMS

Leverage asset data to increase equipment efficiency and reduce costs

As utilities embark on the path to digital transformation, the challenges of legacy infrastructure, tighter regulations, and increased pressure on asset performance and reliability can impact their efficiency and responsiveness. The role of high-quality, validated, improved, and trusted asset data is valuable in the transformation journey as it defines the foundational entity of this transformation.

However, most utility companies are still struggling with consolidating, improving, and validating asset information from multiple, siloed operations and IT systems across asset life cycles. This impacts productivity and efficiency of staff, and impedes operations and asset investment decisions, that depend on reliable data.

Lack of accurate and consolidated asset information at the right time compromises the time to respond, repair, and comply within regulatory targets. This, in turn, increases the true operational cost of managing asset information. Industry research has shown that improving asset information alone can save 1%-5% of total expenditure.

With asset operations becoming more integrated, process-centric, data-led, and insight-driven, there is an increasing need for an efficient and holistic information management solution to optimize performance and provide actionable intelligence. With asset management accounting for 15%-20% of Capex and

20%-30 % of Opex, utilities with poor asset information are spending up to 25% more on operational expenses. By improving information quality and integrating asset data into operational processes, utilities can reduce 2%-5% on Capex and 5%-15% on Opex.

### Helping utilities leverage asset data to increase performance

Cyient has leveraged deep domain expertise and knowledge of the utility industry—assets and asset information systems—to develop a technology-agnostic, specialized offering called intelligent Asset Information Management Solution (iAIMS).

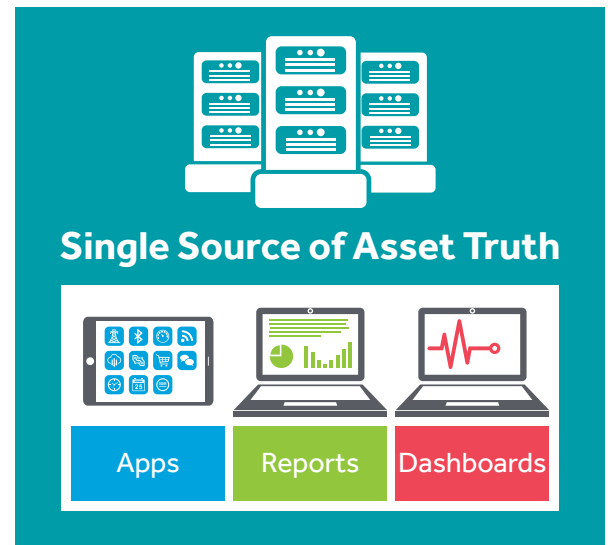
iAIMS is a configurable, cloud-based solution which can assess, improve, validate, and sustain high-quality, reliable data across multiple asset information and performance management systems creating a 'single source of asset truth.' The solution facilitates the integration of reliable asset information, aligning key business processes with the right information at the right time, enabling a more effective business response. iAIMS utilizes technologies such as machine learning, configurable data rules, advanced analytics, and smart dashboards to improve overall asset management and asset performance management.

## Asset Data Management (ADM)



Assess, improve, validate, associate, and maintain enterprise asset information across a range of asset systems.

## Asset Information Services (AIS)



Operate and exploit asset information to facilitate decision-making and efficient asset management processes.

iAIMS brings together a systematic approach combining current needs for data assessment and improvement followed by continuous assessment and validation of data throughout the asset life cycle processes. This comprehensive approach helps in establishing an asset data governance process, minimizing the cost of future data assurance and business transformation projects. iAIMS protects data integrity allowing operation managers, asset owners, and decision-makers to exploit consolidated asset information for improved performance management and investments.

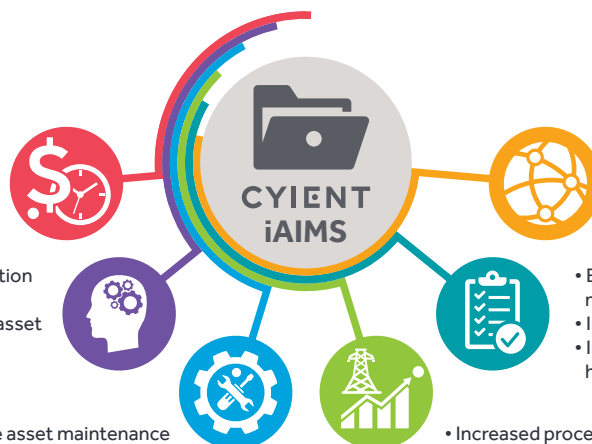
With iAIMS, utilities can leverage the collective intelligence of information residing on different systems to make asset management operations and decision-making more efficient and establish asset information governance to drive efficiency in asset life cycle processes consistently.

## Benefits

- Reduced total spending by up to 5%
- Increase asset reliability and resilience
- Up to 30% cost savings in migration projects

- Consolidated asset information
- Single source of asset truth
- Collective intelligence with asset data integration

- Proactive asset maintenance
- Agile workforce
- Improved asset condition management



- Reduced asset risks
- Sustainable information governance
- Timely regulatory compliance

- Efficient asset life cycle management
- Improved asset performance
- Instant visibility into asset data health

- Increased process readiness
- Informed decision making
- Predict and prevent asset failure

## About Cyient

Cyient (Estd: 1991, NSE: CYIENT) provides engineering, manufacturing, geospatial, networks, and operations management services to global industry leaders. We leverage the power of digital technology and advanced analytics capabilities, along with domain knowledge and technical expertise, to solve complex business problems. As a Design, Build, and Maintain partner, we take solution ownership across the value chain to help our clients focus on their core, innovate, and stay ahead of the curve.

Relationships lie at the heart of how we work. With more than 15,000 employees in 22 countries, we partner with clients to operate as part of their extended team, in ways that best suit their organization's culture and requirements. Our industry focus spans aerospace and defense, medical, telecommunications, rail transportation, semiconductor, utilities, industrial, energy and natural resources.

For more information, please visit [www.cyient.com](http://www.cyient.com)

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