

# Intelligent Asset Optimization

## Improve investment decisions to maximize ROI

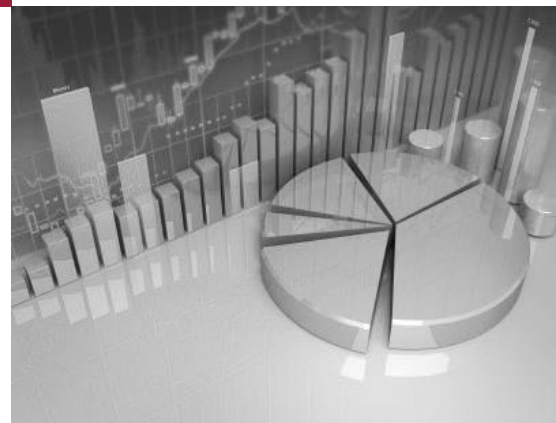
**S**ophisticated decision optimization that delivers risk, predictive and condition-based maintenance strategies is critical to asset investment performance. CGI's Intelligent Asset Optimization portfolio offers two distinct solutions for utilities to improve asset management and investment analysis with advanced financial modeling to facilitate a risk-based approach to strategic asset investment planning.

### ARM ASSET INVESTMENT PLANNING (AIP)

Legacy assets require proactive maintenance strategies and effectively balancing the repair versus replace decision process. Using a risk management approach, utilities can ensure planned objectives are achieved with an acceptable degree of risk. Based on industry best practices, the ARM AIP solution delivers the capabilities utilities need to address these challenges and improve their asset investment decision-support to drive performance and cost savings.

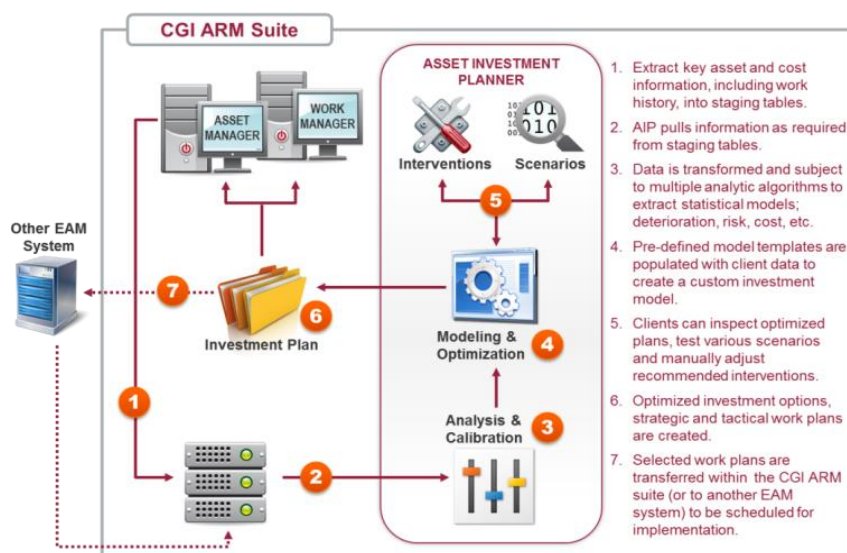
- Evaluate varied timeframes to isolate the most effective course of action;
- Identify requirements and capabilities for business and regulatory obligations;
- Maintain equilibrium between financial and non-financial drivers;
- Deliver intelligent decision-making for sustainable business performance.

ARM AIP leverages enriched asset and work intelligence to provide optimal investment plans ready for design and scheduling. Combined with CGI's ARM Suite of asset, work, and resource management capabilities, ARM AIP helps utilities to prioritize capital and maintenance spending based on risk management and advanced asset management strategies. ARM AIP also efficiently aligns with ISO 55000 and PAS 55 standards for asset management optimization.



### ARM AIP KEY BENEFITS

- Improved foresight with short- to long-term forecasts of asset performance and costs.
- Extensive library of asset decision-making models.
- Streamlined end-to-end processes with integrated enterprise systems.
- Intelligent asset and financial decision-making based on asset performance and risk constraints.
- Seamless interoperability with CGI ARM Suite for added business intelligence and scheduling capabilities.



Combining best practices in risk management and financial analysis, CGI's Intelligent Asset Optimization portfolio offers a modular approach to help utilities generate sustainable returns through effective asset investment planning resulting in increased operational performance and profitability.

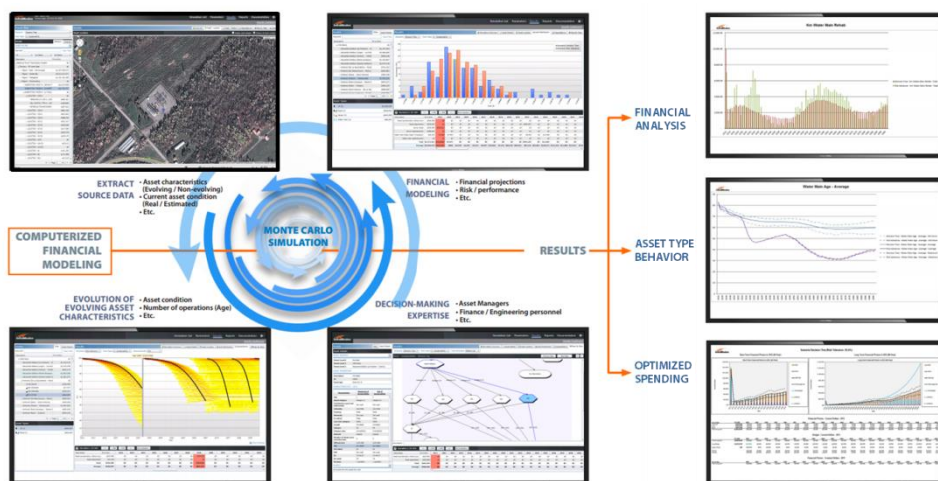
### INFRAMODEX®

CGI and Solutions Modex have forged an exclusive partnership to implement InfraModex, a strategic asset risk management and financial analysis solution that optimizes investments, quantifies risks, and increases the probability of meeting objectives, all in accordance with decision-making policies.

InfraModex uses a rigorous financial framework and risk methodology combined with unique analytical algorithms to help drive informed investment decisions for improved asset performance and sustainment. With predictive modeling for accurate decision optimization, utilities can better manage costs and risks during operational changes and unexpected events.

- Maximize capital investment performance;
- Simulate degradation of assets for intelligent intervention scenarios;
- Analyze short- to long-term capital spending based on targeted service levels;
- Validate decision-process for optimal risk-informed investment strategies.

InfraModex's powerful web-based analytical tool aims to support decision-makers with instant analyses and investment planning optimization aligned to capital investments, strategic objectives, and organizational priorities.



### INFRAMODEX KEY BENEFITS

- Advanced decision-making based on combinatorial criteria versus personal judgment
- Measured impact of current annual investments on service levels
- Probability assessments of achieving financial and service-level goals
- Validation of infrastructure investments to ensure sustainability
- Standardized decision-making and communications between stakeholders

### ABOUT CGI

Founded in 1976, CGI is one of the largest IT and business process services providers in the world, delivering high-quality business consulting, systems integration and managed services. With a deep commitment to providing innovative services and solutions, CGI has an industry-leading track record of delivering 95% of projects on time and within budget, aligning our teams with clients' business strategies to achieve top-to-bottom line results.

We partner with utilities across the globe to provide the knowledge and expertise to enable automation of the industry's best practices for enterprise asset and resource optimization.

For more information about CGI, visit [www.cgi.com/utilities](http://www.cgi.com/utilities) or email us at [info.util-sol@cgi.com](mailto:info.util-sol@cgi.com).