

## CASE STUDY

# Oracle Cloud Infrastructure and Environment Modernization in the Energy Industry

Our major client in the energy sector needed to rationalize their Oracle environment. Costs associated with supporting their Oracle environments were spiraling. The environment was a complicated mix of aging infrastructure, unbalanced workloads, spread over more than 60 servers.

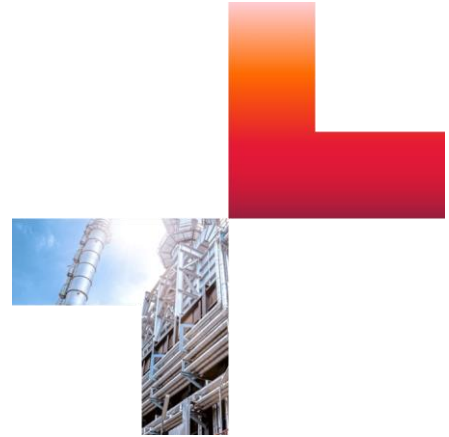
Their goal was to simplify control costs, reduce maintenance effort, and have a more efficient, balanced Oracle Environment

## Common Issues with Oracle Environments

Enterprise environments are generally restructured as applications proliferate, leading to a plethora of standards and versioning. This in turn leads to convoluted design structures, with complicated patching strategies, and over-complicated environments. Without a concentrated effort to consolidate and rationalize these environments, enterprises often find themselves running outdated software on outdated hardware, spending unnecessary resources on maintenance issues.

## Identifying and Addressing Challenges

- Oracle Licensing – Calculating the costs associated with Oracle licensing posed a significant challenge for our client, as they had implemented multiple, diverse licensing models. In order to address this issue, streamlining the licensing and maintenance model became a critical priority.
- Balanced workloads – Environments can require more power during high-use periods, and a power-consumption model at constant output delivers too much power during low-use periods.
- Deployment speed – The process of allocating and configuring servers was a lengthy procedure, with a duration of up to 5 days, which was deemed an unacceptable length of time.
- High availability – The existing environment had no capacity for HA solutions, which resulted in several high impact outages – a new solution was required to stop this from occurring.



## Managed Database and Consulting Services

CGI has created a customizable suite of service offerings that cater to the design, implementation, maintenance, and management of intricate Database platforms. As your requirements differ, we offer the flexibility to choose from a variety of offerings that complement your on-premises and/or cloud-based Oracle and/or Microsoft Azure Database platforms.

Our services include both Managed and Consulting (Project) options, depending on your needs.

### Why CGI Database Services?

- Cost Management
- Asset Efficiency
- Improved End-User Experience
- IT Workforce Efficiency
- Risk Management

## How We Helped: Oracle ExaCC, CGI Implemented a State-of-the-Art Solution

Through our DB Migrate program, CGI managed the migration of 130+ databases to the new platform. Our client now has a firm grip on Oracle costs and a ruthlessly-efficient deployment mechanism.



### Key Benefits: Consolidation and Modernization of Oracle Footprint

**Modernizing the footprint allowed our client to have a modern, scalable and stable environment to store their data.** They're able to use the latest toolset, test new functionality, and expand into the existing space without incurring extra costs, or other technical hurdles which could have hindered progress. With this new environment they have:

- A single pricing model for ease of management.
- CPU Scaling for peak periods / low points – the flexibility to scale up/down as required; no longer limited to a set number of CPU's, so they automatically cut costs.
- Optimized installation, patching and maintenance on both server and database levels.
- HA solution (Oracle RAC) resulting in almost eliminating unplanned outages.
- Increased stability has been introduced by configuring automation for database refreshes and cloning.
- A significant reduction in issues and time spent configuring databases has meant that the DBA's are now available to explore and manage other technologies.

“I'm proud of how CGI played a pivotal role in this success story. Our team worked collaboratively to deliver an outstanding solution that met our client's specific objectives, resulting in cost savings and efficiencies at scale. This project is a true testament to CGI's commitment to driving client success and delivering innovative database services.”

**Cyrille Armand**  
Director Consulting Services, CG

### About CGI

#### Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across 21 industry sectors in 400 locations worldwide, our 90,000 professionals provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

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