

CGI UnityControl

An innovative solution for a safer and better managed environment



Street lights are either on or off. There is not much more to choose from. Pumping stations and pumps run day and night, even if this is not always necessary.

Physical objects or 'assets' often work independently and with their own protocols and operating systems. Interoperability is often lacking, and you cannot manage them as an integrated system. If there might be a defect, you will have to inspect most assets on site. And how much energy does your lighting and other critical infrastructure or industrial assets actually consume ... you just have to estimate.

What if you are in control?

Imagine that you are able to:

- create clear pathway for police and emergency services, so they are able to reach an incident quickly and unhindered;
- ensure that traffic flows optimally, avoiding congestion;
- determine when you can adjust streetlights depending on circumstances. For example, to help those on the road in poor visibility given extreme weather conditions;
- control pump output and capacity in time when, for example, severe weather is expected or local pollution is detected.

Not only would that make our public and industrial environment safer and much more efficient to work and live in, it would also save cost, valuable time and energy.

CGI UnityControl, CGI's innovative solution for the integrated management of the environment, connects all dynamic assets which gives you the integral control with best-in-class service.

Potential for a safer environment

In case police or emergency services have to respond, it could be critical that they have direct control over relevant assets. CGI UnityControl enables transfer of control to, for example a regional control room. From there, bollards, bridges and traffic lights can be controlled to allow emergency services take care of an incident quickly and unhindered. Keeping track of e.g. road conditions or maintenance CGI UnityControl allows for adequate route planning preventing any unnecessary delays for emergency service in reaching an incident.



Key benefits

- Increasing safety and mobility in public or industrial environment whereas energy consumption and CO2 emission typically decreases;
- Management of the entire asset landscape in one geospatial interface and integrated service;
- Flexible visualization for multi-screen control room or mobile;
- Possibility to securely transfer control simplifying collaborative operations, for example in the event of an event or accident;
- Continuous improvement e.g. in predictive maintenance and/or automated management.

Key characteristics

- Open architecture and completely vendor-agnostic service portfolio.
- Scalable, utilizing multitude of open architecture and service operation models incl. SaaS, on premise or hybrid model evolving existing setup;
- CGI UnityControl (CMS) is a certified TALQ-compliant product.



CGI UnityControl also provides support for emergency services with e.g. targeted extra lighting and/or adapted water pressure. Another application for CGI UnityControl is guiding large groups of people, for example before or after an event or evacuation, using available lighting or light patterns. In short, CGI UnityControl helps you increase public and industrial safety and respond more efficiently to incidents.

Potential to save or flexibilize cost

With CGI UnityControl, you save on time and spend on:

- **Street lighting**
Lighting the public environment accounts for about 35 to 50% of the overall energy consumption. Managing light levels effectively saves on energy consumption and CO2 emissions.
- **Pumps and pumping stations**
By operating assets and equipment remotely, they no longer have to run when not needed, saving on use and maintenance.
- **Integration of management systems**
CGI UnityControl integrates information from a variety of relevant management systems. This allows you to organize your maintenance processes even more efficiently.
- **Maintenance and equipment**
With the use of CGI UnityControl, your maintenance planning is based on actual usage and energy consumption data.
- **Energy**
Energy consumption is completely transparent and per asset. Saving will no longer be your best guestimate as energy consumption patterns and billing are based on actual data.

Potential for future innovation

Our solution makes today's concepts such as smart cities a reality. All municipalities, provinces, (air)ports, public transport infrastructure operators as well as the rest of the industry can reap the benefits of controlled use of assets, impacting sustainability and current themes such as integrated safety and mobility. CGI UnityControl allows for secure interfacing with any other system for remote management, control and diagnostics with essential functions such as:

- analysis and visualization;
- dynamic functions and robotics process automation;
- links with any relevant business information systems.

CGI UnityControl is based on open architecture principles and standards, vendor-agnostic, scalable and suitable for secure use by a multitude of public of industrial services or organizational units.

Are your interested?

Would you also like to accelerate digital innovation across your local asset infrastructure? Then contact us to go through the options, for potential and value we can co-create based on this solution.

More information on CGI UnityControl *)

Email us at:

nico.van.buggenum@cgi.com or
peter.dreessen@cgi.com

For a video on Smart cities with CGI's CGI UnityControl solution, visit:



For a video on TALQ, visit:



*) CGI UnityControl is the re-branded name of IBOR

About CGI

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 hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

For more information

Visit cgi.com/nl

Email us at info.nl@cgi.com