

Market-wide Half-Hourly Settlement Data Services Platform



A software-as-a-service platform to enable MHHS participants to become qualified Data Services providers

The Challenge

Market-wide Half-Hourly Settlement (MHHS) is the largest change to the electricity retail market since the introduction of competition in 1998. It will enable the new tariffs and services essential to 'flatten the curve' to maximise our use of renewables and network capacity to meet our net zero goals.

MHHS requires a radical change to the way we settle electricity consumption; most notably for domestic and small business customers. Settlement based on one to two manual readings per year is set to be replaced with daily collection of half-hourly data from millions of smart-enabled customers. This will require an overhaul of existing validation and estimation methods, a massive increase in processing capability and highly automated exception management.

CGI's MHHS Data Services Platform

Our MHHS Data Services platform provides organisations aspiring to become an accredited MHHS Data Services agent an out-of-the-box IT service that delivers all necessary functions required to perform the role(s). It leverages CGI's proven [DCC Adapter](#) to perform the Meter Data Retrieval (MDR) service which can be used in hybrid form; taking responsibility for collecting settlement data not already collected by a Supplier.

Single source of truth

The platform will maintain a full audit history of all MPAN- related consumption and export data received, validated, estimated and submitted to the Market-wide Data Service (MDS) and Load Shaping Service (LSS) within ELEXON's Central Systems, together with all Load Shapes received from LSS. As such, it will provide a real time, single source of truth of data for use in non-settlement- related functions. These can be implemented through direct API access to the data or delivered through our suite of optional components.



Key benefits

- Fully scalable, enabling you to handle increasing volumes of settlement data
- Single source of settlement data for non-settlement services, reducing data inconsistencies and storage costs
- Hybrid MDR service reduces potential transaction costs
- Compliance with industry-driven change included in support service
- Qualification service reduces time and cost associated with completing accreditation

Key features

- Full SDS/MDR compliancy with option to extend to Advanced Data Service (ADS)
- Fully integrated with mandatory MHHS services (e.g. DIP, DTN, ECOES etc.)
- Optional components, such as forecasting and tariff modelling
- Flexible charging model



Our platform offers reduced cost-to-serve and the ability to innovate in the emerging MHHS market.

Optional components

In addition to providing the mandated functionality required for accreditation as a Data Service, we offer a suite of optional components aimed at maximising the value of the settlement data held within the platform, including:

- **Forecasting:** enabling more informed trading
- **Customer segmentation:** providing a better understanding of your customer portfolio
- **Tariff modelling:** supporting tailored, customer-specific recommendations of new products and services
- **Cost-to-serve:** delivering insights into profitability across your customer base.

Proven performance

An early Proof of Concept has demonstrated our platform can support a Smart Data Service (SDS) agent operating at rates of over 3,000 transactions per second; greater than those anticipated for the entire SDS market.

Qualification service

Our intention is to participate in MHHS Systems Integration Testing (SIT) and, thus, achieve accreditation of our platform. At the time of writing, the question of equivalence is still being discussed by the Programme. Should additional testing be required for those choosing not to participate in MHHS SIT, we will offer a qualification service comprising a set of test artefacts (test plans test scripts, test data, test completion reports etc.) required to enable would-be Data Service agents to rapidly pass qualification.

Flexible charging model

We offer a flexible charging model based on a combination of three components: a one-off onboarding fee, a fixed monthly service charge and a charge per MPAN. We are keen to discuss the balance of charges that would best suit your CAPEX/OPEX requirements.

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 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.

For more information

Visit: cgi.com/uk

Email us at enquiry.UK@cgi.com