



Power up with MDM

Fuel your data
strategy with
high-quality
master data

Modernize **Manage** Monetize

It's a critical time for the Energy & Renewables sector.
The heat is on to find new ways to improve efficiency, transparency and customer experience – and data is your greatest asset as you explore these solutions.

There's certainly no shortage of it: the sector is generating more than ever before, with a combination of smart meters, customer data, asset data and aggregation creating a deluge of information.

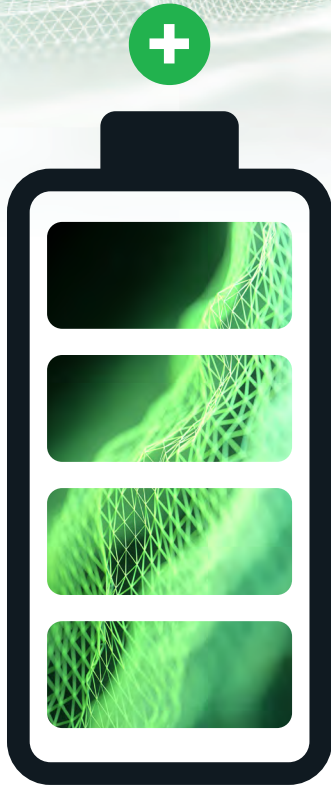
Yet can you be confident that your data is accurate? How do you know if your data-driven solutions – from customer profiling to consumption analytics – are fuelled by reliable information, or are being diluted (even damaged) by poor quality data?

The answer is Master Data Management (MDM) – a combination of technology and governance that will make sure your data is always up-to-date, accessible and reliable. With effective MDM, you will always have a 'Golden Record' available to explore myriad opportunities with data. It can be applied across multiple domains, mastering people, products and locations.

The Golden Record: a data goal for the energy and renewables sector



To hold The Golden Record, you need to know that you have one single version of the truth across all of your data: **a central, reliable source of information, wherever and whenever you access it.** By addressing how your data is managed throughout its lifecycle, and making it centrally available, MDM creates a 'Golden Record' that can power a range of data possibilities for energy and renewables organizations like yours.



MDM: the benefits and opportunities for energy and renewables organizations

With accurate and reliable master data – whether it’s financial, customer, or asset-based – you can experience a whole host of data benefits for your business:

Trust

By creating a single source of data, MDM improves data consistency across departments. This empowers everyone to use data and, in turn, take accountability for it.

Efficiency

With accurate, reliable data, you can explore more ways to improve efficiency – such as accurate half-hourly metering.

Speed

With the right data, you can be fully informed to act fast: such as being in the right place, with the right tools, at the right time, when problems occur on your grid.

Forecasts

Good data equals more accurate energy demand forecasts, for a better understanding of how to meet your customers’ energy needs – and subsequently less OFGEM fines for inaccurate forecasting.

Reporting

By taking a data-first approach with MDM, you can make sure you’re always ready with high-quality data to support compliance, regardless of the reporting required: whether it’s OFGEM, Scope 3 or something else entirely.

Insight

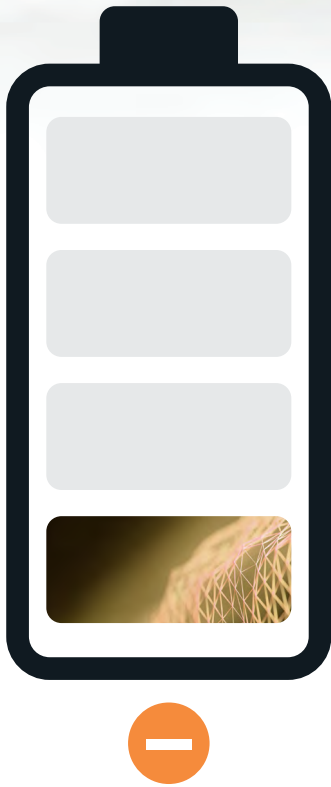
By collating data from disparate sources, MDM gives you deeper, more detailed insight: from pinpointing meter locations to identifying empty properties on your grid.

Asset management

With MDM, you can collate data, including location, on your assets, such as turbines, solar panels, and meters, for more efficient cataloguing and maintenance. Asset MDM can also be the first step to efficient asset monitoring, putting data quality policies into practice to fuel future solutions.

Customer experience

The more you understand your customers, the more you can tailor their experience, creating data-driven experiences that are both personal and convenient.



Data dilemmas: overcoming the sectors' biggest data obstacles

MDM is a combination of technology and governance. By creating real operational change, it can help you overcome some of the biggest obstacles that you face as you explore data-driven opportunities:

Legacy technology

From old on-premise platforms to spreadsheets and silos, legacy data technology is preventing access to data and damaging its quality, thanks to a lack of integration between systems and departments.

M&A

In 2021, 17 out of 22 ailing UK energy companies were bought by major industry players – and every acquisition creates a data integration issue. Post-M&A data integration can feel so complicated that it's often left unchecked for years, but this just worsens the problem, creating entrenched data silos that make it difficult to access data where and when it's needed.

Data aggregation

With high volumes of raw data being processed and summarized through data aggregation, data accuracy is more important than ever – and equally difficult to determine. To keep track of aggregate data quality, you need robust data management in place from inception.

Data volumes

With the introduction of Smart meters, you're collecting vast volumes of data at high velocity. That data is only useful if it can be processed quickly and converted into information to drive actions and insights, whether manual or automated.

Data drift

Many an organization has implemented a data quality exercise, only to see the quality of their data degrade in the following months. This 'drift' can see poor quality data introduced back into cleansed data, creating confusion, complication and even non-compliance.

Data literacy

One of the biggest obstacles to successful data management in the energy sector is poor data literacy: a lack of understanding and appreciation of data across the business. Technology alone can't fix it: it takes a cultural shift, and MDM is a good starting point.



CASE STUDY:
**A GLOBAL LEADER
IN SOLAR DEVELOPMENT
AND MANAGEMENT**

Implementing MDM to support solar farm maintenance

The goal

A global leader in solar development and management had ambitious growth plans to increase its solar energy production from 2GW to 10GW by 2023 – enough to power about 2 million households.



The solution

As part of this plan, they needed to first implement MDM to support the building and maintenance of a solar farm: a task that needs the employment of various types of specialist personnel and specialist materials. Agile's 42-day delivery ensured that the businesses got a quick ROI, with a clear understanding of the data they needed. They then extended the work to include more domains, including the optimization of their sales pipeline and asset management.

The result

They were able to manage their business infrastructure, identify cost savings for resources and materials, and improve health and safety – a key performance metric for them.



CASE STUDY: RES

Exploring financial forecasting with clean, reliable master data

The goal

The world's largest independent renewable energy company, RES, needed a better way to manage multiple data sets – and a faster, better way to analyse and compare data.



The solution

Agile devised a solution to implement Semarchy's MDM toolset along with data management initiatives, including the development of data stewardship processes and data quality initiatives. Integration exercises enabled the platform to seamlessly connect with existing software and systems, followed by rigorous testing throughout deployment to ensure that the platform was ready for widespread use.

The result

RES are now able to access the data they need across their supplier base, geographies and time periods, whenever they need it – with full confidence that the data is up to date and accurate.

An Agile Solutions approach to energy and renewables MDM

Managing master data effectively has to be a high priority for Energy and Renewables firms. With MDM, you can access the Golden Record you need to enable your organization to become more efficient, make fully informed decisions, generate more accurate projections and offer a better experience to your customers.

At Agile, we've helped energy and renewables organizations to transform their relationship with data through MDM, empowering every department to explore the benefits of high-quality, accessible data.

To overcome your data obstacles and unlock your Golden Record through MDM, **contact our team.**

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