A compelling business case.

MeterLink helps utilities improve business processes
and overall business performance.

Enhance customer service

- Minimise customer visits and associated privacy issues
- Handle customer disputes effectively with on-line meter access
- Eliminate estimated bills
- Offer programmable tariff, billing, and payment options, including budgeting by prepayment

Increase operating efficiency

- Detect tampering as it arises - pinpoint meters deserving inspection visits
- Eliminate hard-to-read meters
- Change meter tariffs and payment modes without site visits or meter change-outs
- Improve monitoring and control for the final distribution networks
- Optimise utilisation of network assets and reduce overloading

Improve financial performance

- Reduce the amount of bills unpaid – by better payment control
- Bill more energy – virtually eliminate unauthorised use
- Improve cash flow – with shorter billing and collection cycles
- Defer plant investment – using programmable load shedding or limiting
- Introduce dynamic and revenue-enhancing tariffs
- Benefit from providing MeterLink services for water or gas applications

MeterLink Networks Under Control

Leaders in Innovation MeterLink International are
at the forefront of design and manufacturing of high
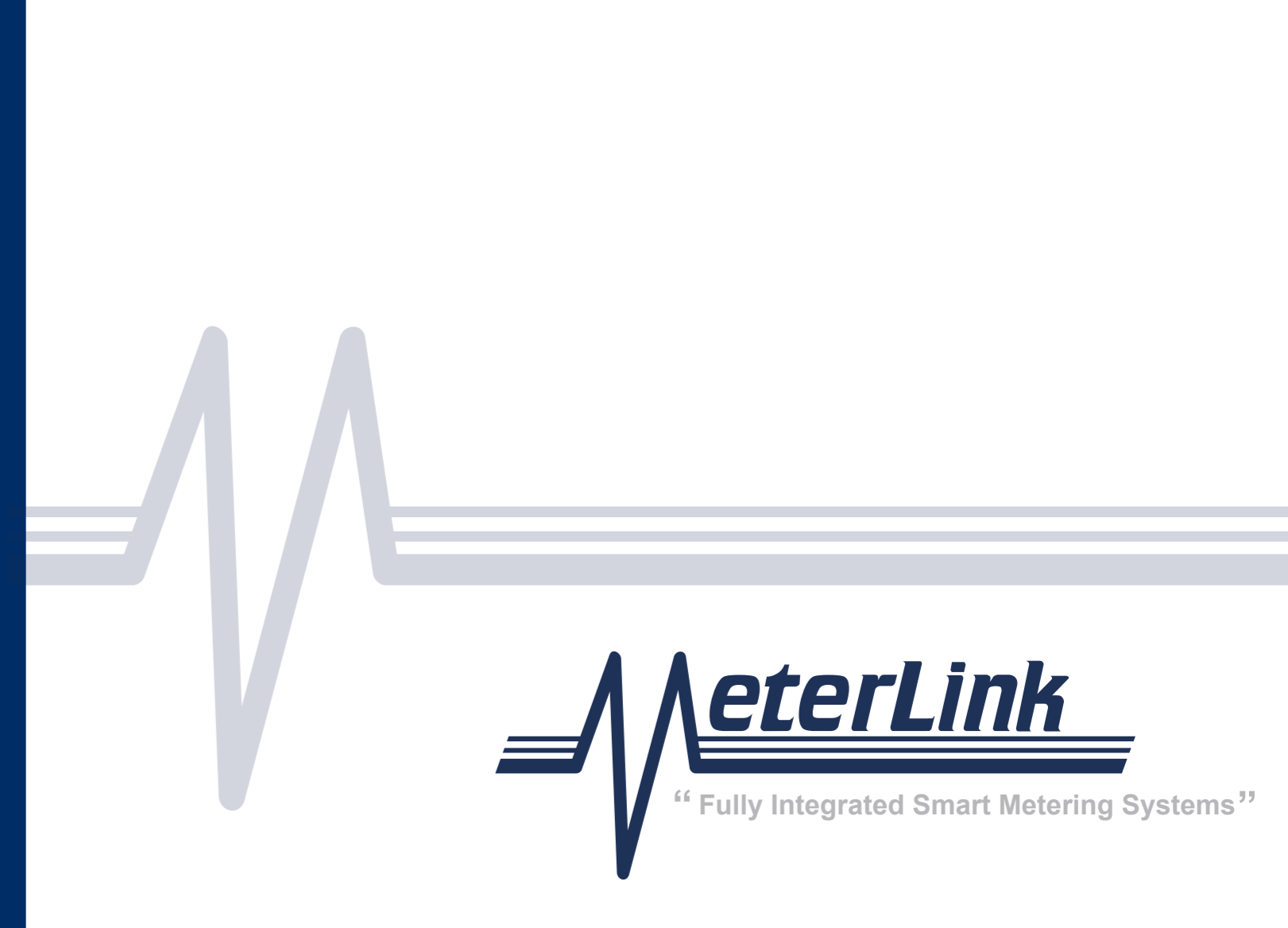quality and reliable products.

MeterLink are dedicated to continuous research and
development to maintain our lead in product and software
support, our customers can keep pace with rapidly changing technology.

MeterLink provide a total quality solution for our customers needs.
All products in the MeterLink range are tested extensively in many different
configurations before shipping/installation.

We know that every effort has been made to ensure that your product
investment has been correctly configured and all its components are
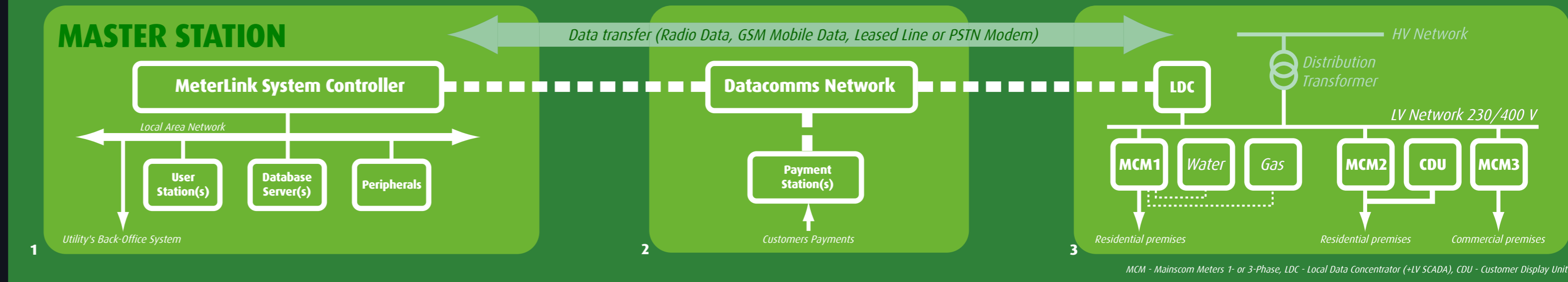in perfect working order.

MeterLink
"Fully Integrated Smart Metering Systems"

Smart Metering and Control - Complete Solution

Putting smart metering to work.

MASTER STATION

Data transfer (Radio Data, GSM Mobile Data, Leased Line or PSTN Modem)

MeterLink System Controller

Local Area Network

| User Station(s) | Database Server(s) | Peripherals |

Utility's Back-Office System

1

Datacomms Network

Payment Station(s)

Customers Payments

2

LDC

HV Network

Distribution Transformer

LV Network 230/400 V

| MCM1 | Water | Gas | MCM2 | CDU | MCM3 |

Residential premises — *Residential premises* — *Commercial premises*

3

MCM - Mainscom Meters 1- or 3-Phase, LDC - Local Data Concentrator (+LV SCADA), CDU - Customer Display Unit.

The demand for electricity continues to grow, for some utilities at a faster rate than the power system itself. As the demands of residential and business consumers rise, so too does the pressure for more intelligent metering and control.

The issues facing many utility companies are challenging, yet manageable. Typically they include: the need for load control at peak demand periods; better meter reading accessibility; revenue protection measures for reduced tampering and commercial losses; and addressing poor payment collection performance.

MeterLink's AMR is a smart metering and control system. Combining two-way communications via low-voltage electricity distribution networks with the UK built Mainscom range of smart meters, MeterLink resolves all these issues with an end-to-end system solution.

Mainscom meters are installed at all premises and are programmable for pre-payment or credit metering modes. They also provide for multi-rate and maximum demand tariffs, plus demand profiling and demand control. When integrated with the MeterLink system, the solution can also handle data for water and gas metering at the same premises.

Overall, MeterLink delivers tariff control, load control, and payment control. In addition, as a low-voltage SCADA option, MeterLink delivers power system monitoring and control tasks at the final distribution transformers.

The smart metering and control solution for today's utility needs.

MeterLink system supports:

● **Payment collection**
Programmable meter modes for credit or prepayment metering and budgeting; remote disconnect/restore for non-payment; debt recovery and repayment

● **Revenue protection**
Consumption exception reports; meter tamper alarms; assessment of commercial losses

● **Load profiling and demand management**
Profile recording; programmable load shedding or limiting on individual or grouped loads; data collection for network design and reinforcement

● **Tariff implementation and management**
Time-of-use tariffs; updating tariff time periods and energy prices; new tariffs to match evolution of demand

● **Automatic meter reading for billing and customer services**
Cyclic and on-line remote meter reading plus meter status and tamper indication, including for resolution of disputes

● **Low voltage SCADA**
Identification of technical plus commercial losses in LV networks; monitoring transformer temperatures and conditions; controlling voltage compensation capacitors and public lighting

The MeterLink AMR system allows utilities around the world to achieve real improvements - in overall business performance, in customer service, in operational efficiency and in financial performance.

Powerful, scalable technology.

1 The Master Station is a LAN-based system utilising client-server technology and intuitive windows-based operation. The System Controller can range from a single-user PC for small implementations, up to resilient server-based solutions with multi-user capability and massive scalability.

2 Communication between Master Station, Payment Stations, and Local Data Concentrators takes place over public or private networks. The LDC in each low-voltage distribution transformer zone manages neighbourhood data and uploads it to the Master Station on request. It also handles any instructions for specific meters.

3 Mainscom programmable multi-mode meters replace existing meters on customers' premises, using low-voltage power line for two-way data exchange with the LDC. They include internal load switches and a customer interface, plus optional interfaces for water and gas meters.

An end-to-end package from the UK leader.

● **System Layout and architecture**
● **Market-leading products**
● **Testing and commissioning**
● **Training**
● **Project management, support and consultancy**

Transform your business with MeterLink, contact our team today on +44 (0) 7711 985 038