



CONTROL ENERGY
POWER EFFICIENCY



OVER 100 YEARS OF

HERITAGE

For over 100 years, LOVATO Electric has been designing and manufacturing low voltage electrical devices for industrial applications.

The company started from the dawn of electrical engineering to today's mix of electronics, automation and software. The wide range of products is designed, industrialised, tested and built by LOVATO Electric according to the highest quality standards.

A team of designers and researchers develops innovative and reliable products using the most modern software tools available on the market and an internal test laboratory (accredited in accordance with EN ISO/IEC 17025) carries out tests according to national and international standards.



100
COUNTRIES

90
IMPORTERS

15
SUBSIDIARIES

The successes collected over time on national territory have allowed the company to open 15 international subsidiaries and a network of over 90 importers that today guarantee the availability of LOVATO Electric products in over 100 countries in the world.



For four generations, our mission has been to create innovative and reliable products to satisfy the client's requirements, and it continues to be so today.

Massimiliano Cacciavillani
CEO

TECHNICAL PARTNERSHIP

BENEFITS

Welcome to LOVATO Electric, where we redefine energy management for a sustainable future. Our comprehensive solutions empower businesses to intelligently monitor, manage, and optimise energy consumption.

In today's market, a competitive edge lies in the adept management of energy resources, delivering substantial cost savings while honouring environmental responsibilities. At LOVATO Electric, we offer cutting-edge products that oversee network monitoring, load management, and installation consumption.

Our approach centres on continuous data monitoring and in-depth analysis. By harnessing this information, we facilitate strategic planning to curtail energy usage. Moreover, our solutions ensure the availability of emergency power sources, guaranteeing uninterrupted operations when required.

Discover how our innovative solutions pave the way for efficient energy utilisation, enabling businesses to thrive while minimising their ecological footprint.



100
YEARS

Over 100 years of expertise

20K
PRODUCTS

20,000 products conforming to the most stringent certifications

100
COUNTRIES

Customers in over 100 countries

15
SUBSIDIARIES

15 specialist international subsidiaries



TRAINING

Dedicated training facility



TESTING

Internal accredited testing laboratory



R&D

Continual investment in Research & Development



QUALITY

Quality accreditations ISO 9001, 14001, 45001 & 50001



SOLUTIONS

Software & hardware solutions in energy & automation



ENERGY & AUTOMATION

SECTORS

LOVATO Electric operates across various industries with a commitment to providing innovative solutions. The company's cross-industry knowledge fosters a deep understanding of diverse operational challenges, enabling LOVATO Electric to develop highly specialised products and services for its customers around the world.



ENERGY MANAGEMENT



MACHINERY BUILDERS
(OEMS)



LIFTING SYSTEMS



PHOTOVOLTAIC SYSTEMS



PUMPS, IRRIGATION
AND PIPING



GEN-SET CONTROLLERS



ELECTRICAL POWER
DISTRIBUTION



POWER FACTOR
CONTROLLERS

ENERGY & AUTOMATION

RANGES

For energy monitoring and energy saving, LOVATO Electric offers an integrated global solution, composed of:

Hardware devices for energy measurement and control (*power analysers, multi-meters, energy meters, variable speed drives, soft starters, automatic power factor controllers, gateway data loggers, etc.*)

Software solutions through Web Server or Cloud software to continuously monitor energy vectors via the Web.



METERING
INSTRUMENTS AND CTs

POWER FACTOR CONTROLLERS
AND THYRISTOR MODULES

AUTOMATIC TRANSFER
SWITCH CONTROLLERS



ENGINE AND GENERATOR
CONTROLLERS



FIRE PUMP
CONTROLLERS



SOFTWARE AND
APPLICATIONS



EXPANSION MODULES
AND ACCESSORIES

30

MULTI-METERS

1

SYNERGY

COCA-COLA HELLENIC BOTTLING COMPANY

PRODUCTS AND SOLUTIONS FOR A NEW ENERGY MONITORING AND POWER QUALITY PROJECT AT A BOTTLING PLANT.

LOVATO Electric was approached by a third party to supply products and solutions for a new energy monitoring and power quality project at the Coca-Cola Hellenic bottling plant in Northern Ireland.

Local monitoring units which included LOVATO Electric components were fitted at numerous points and utilised over 30 DMG multi-meters with data logging modules and remote modems around the site to bring data back to a central point to monitor the installation.

For the management of the data Synergy software was used as the platform.

This has helped collate the data and generate bespoke reports needed for our client to evidence not only the energy savings their equipment was achieving, but also the improved power quality bringing reduced downtime and maintenance to the motors and equipment on the production lines.



SYNERGY MONITORING SOFTWARE



DMG MULTI-METERS WITH DATA LOGGING

2

CONTROLLERS

12

MODULES

200

POWER
ANALYSERS

ROYAL WOLVERHAMPTON NHS TRUST, UK – ENERGY MANAGEMENT PROJECT

With nearly 1000 beds and 10,000 staff across three sites, Royal Wolverhampton NHS Trust is one of the largest hospitals and providers of acute care in the UK.

From an initial enquiry to advise on replacement of a third-party power factor controller for the critical Heart & Lung Centre, the hospital has now invested in LOVATO Electric Synergy Energy Management for the entirety of the hospital complex.

As LOVATO Electric power factor controllers had already proved reliable in service elsewhere within the hospital, we were contacted to advise on replacement of the existing power factor controller to a LOVATO Electric controller. However, it was clear that for such a critical application the old contactors and capacitors also required renewing. The new system now comprises 12 x DCTL dynamic thyristor modules, controlled by 2x DCRG8F controllers. The arrangement offers fast and silent operation of the capacitors.

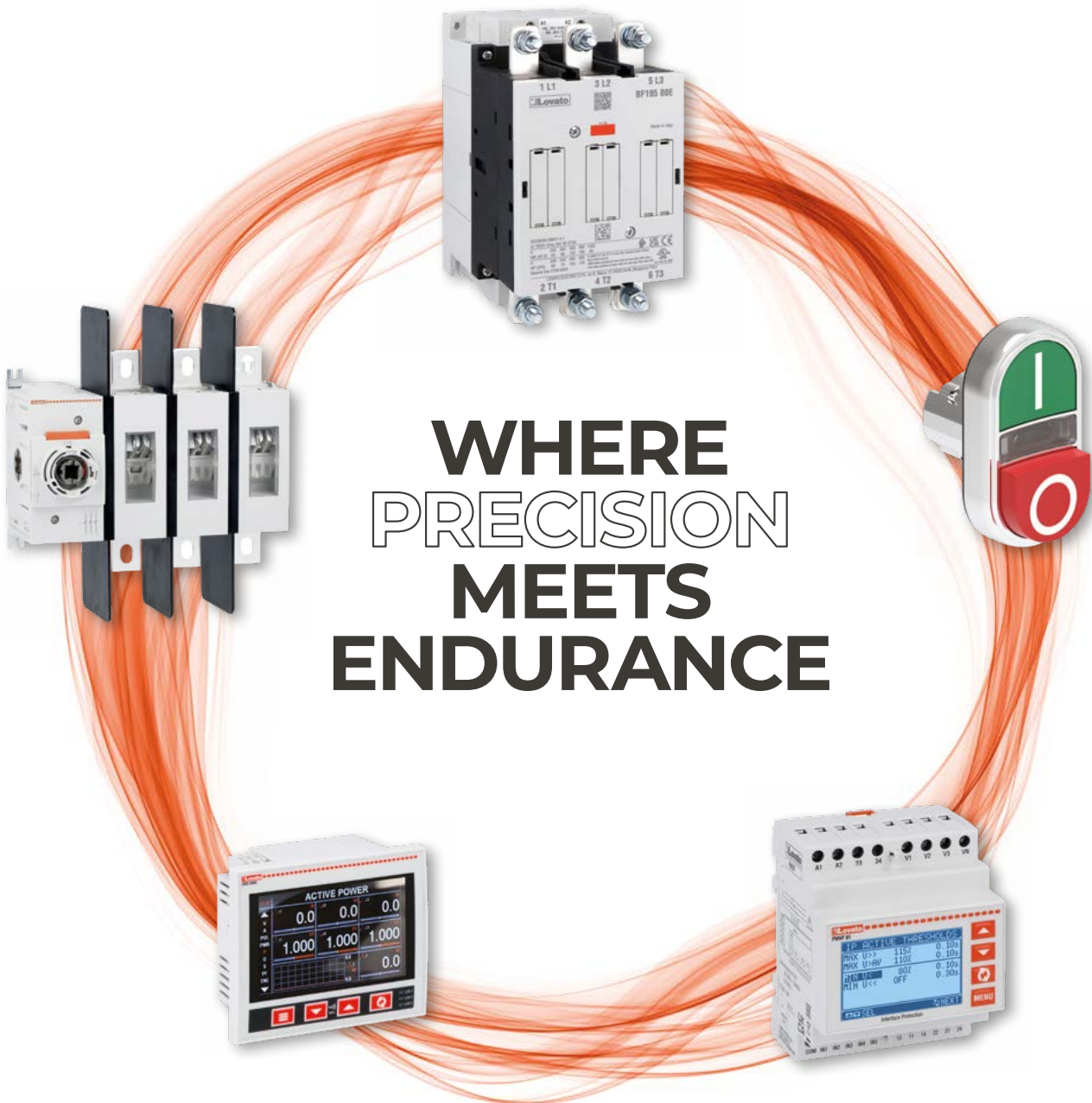
The success of this project has led to the implementation of the LOVATO Electric Synergy Energy Management software platform to manage all energy performance over the entire site.

This will enable them to monitor the main incoming supply quality as well as usage within the different Zones of the hospital across seven substations as well as Main car parks and EV charging points which can then be invoiced to the individual clients.

With multiple combinations of DMG power analysers and to date, nearly 200 Synergy licence points. This project has seen successful integration of not only LOVATO Electric devices but also many existing third-party devices for gas and water.

In order to integrate these devices a number of different forms of communication were needed. With the DMG power analysers in separate locations Ethernet was used on each individual meter to feed back the data on some of the switchboard suites. Elsewhere RS485 and Ethernet combinations were used to make installation easier and also make the project commercially viable as the hospital is a trust and hence financed by the public.

The other challenge faced was incorporating the existing meters via our third party platform and this involved several different manufacturers but owing to the flexibility of the synergy software this was also possible keeping the overall project costs manageable.



WHERE PRECISION MEETS ENDURANCE

100 YEARS

Lovato
electric

ENERGY AND AUTOMATION

LOVATO Electric's range of electromechanical and electronic devices are meticulously crafted and tested to ensure the utmost safety and reliability. Backed by a century of Italian precision manufacturing and expertise, our products are designed with precision and built for endurance.

With a substantial UK based stock holding and bespoke assembly, we offer fast delivery of components across mainland UK and Ireland.



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