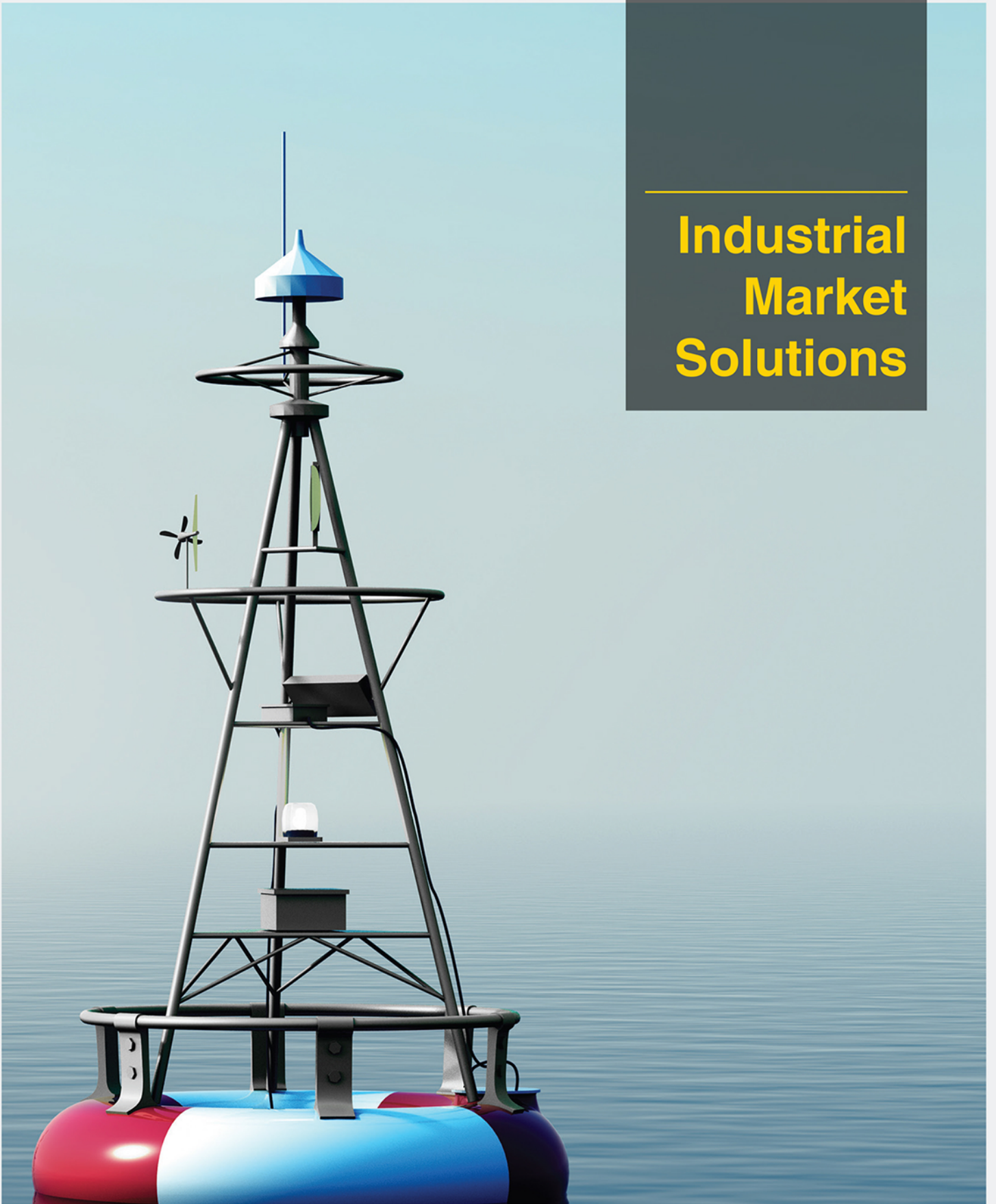

**Industrial
Market
Solutions**



ENGINEERING CUSTOM BATTERY
SOLUTIONS FOR OEM / ODM

Mi
BATTERY ENGINEERING



What we offer (Industrial Solutions)

Master Instruments Pty Ltd focuses on portable/micro batteries and battery related products such as chargers, power supplies, DC conversion and battery fleet management products. We specialise in the development, production and marketing of innovative and advanced energy solutions and power components for a wide range of customers, business sectors and applications. We have the capability to provide off-the-shelf as well as custom design solutions for almost any application.

We offer a comprehensive range of battery technologies such as Primary (Alkaline, Czn, Lithium variants & Zinc Air) and Rechargeable (Lilon, LiFePO₄, LiPoly, NiCd, NiMH, SLA and special and new battery technologies).

The battery packs can be designed to either our or your specifications with careful consideration for safety protection components, PCM/BMS, fuel gauge Indicators, converters, smart and SMBus communication modules as required.

2D and 3D CAD design capability and best in class DC power engineers are able to flexibly and quickly adapt your design into product realisation first on paper and in your possession as quick samples or prototypes before production.

For medical, defence, utilities applications and OEM companies; the company develops, designs, manufactures and provides custom made smart DC power solutions for electronic devices. This is also done

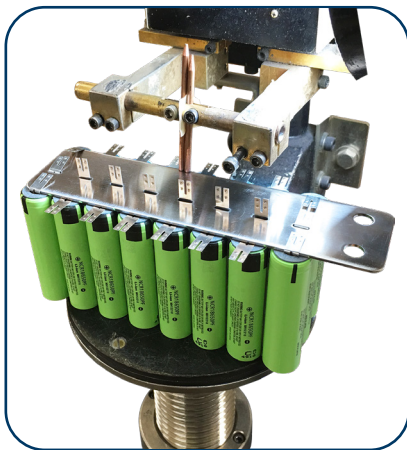
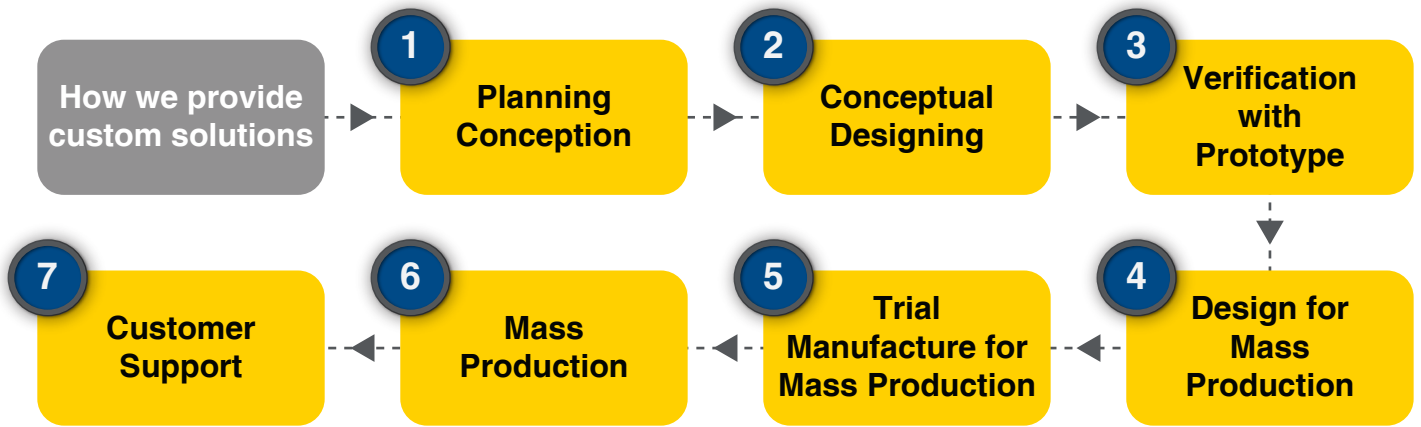
for Public Utilities, Universities, Research organisations, Railway signalling, ATMS (advanced traffic management systems), AMR (gas, electric, water), LMR (Land & Mobile Radio), CCTV video surveillance security systems, Renewable energy controllers, UPS, Communications, Security (alarm, control, detectors), E-Bike & too many other applications to possibly list all of them.

The ideal is for our products to reduce our client's Total Cost of Ownership (TCO) by providing an extension to the operating life of products with hundreds and even thousands of charge/discharge cycles. The TCO model means ***it always pays in the end to buy the best at the beginning.***

Centuries of culminated experience and expertise of our motivated & passionate team enables the provision of the perfect solution to meet your power needs. Throughout the project phases, starting with development phase through prototype phase and finally to manufacturing phase, all steps are taken under a tightly controlled project schedule with close technical support. The company's knowhow helps in bridging the gap between the customer demands to the up-to-date products and technologies available for the right solution in the portable power industry.

Master Instruments provides turn-key power projects, complete energy solutions for standalone power systems, as well as consulting, testing, design, assembly and marketing of a wide range of batteries, power supplies, chargers, power components and hardware.

DEVELOPMENT FLOW OF OEM / ODM PRODUCTS



You Make the Rules - We Provide the Solution

Working to your required parameters, MI can provide a solution or a number of options to achieve your desired performance outcomes.

From long service life to physical size and weight limitations, to power delivery requirements or even low cost or single use options, MI can cater to most.

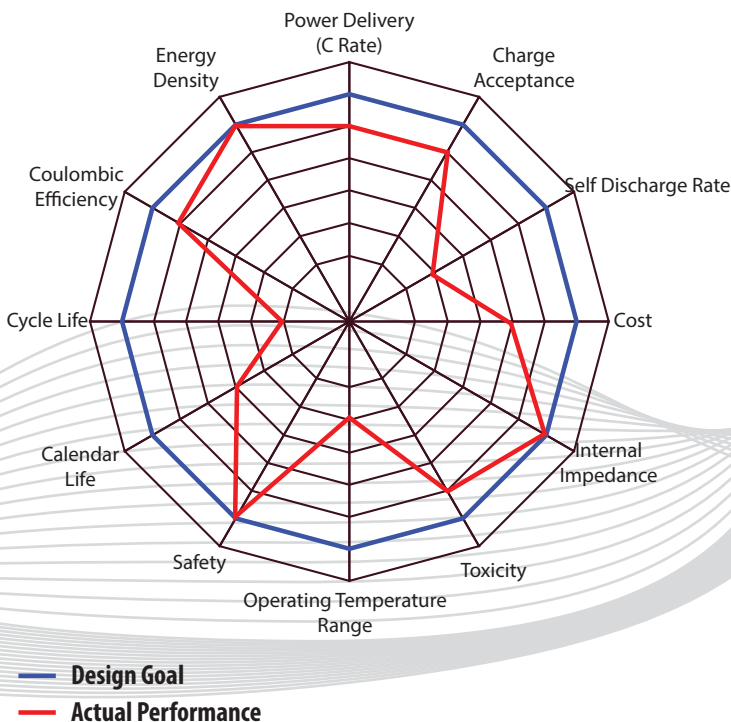
Our in-house engineering team works with you directly to tailor the right product, with the right ancillary products to provide you the best possible total cost of ownership or return on investment.

Speak to an MI Battery Engineer today.

PERFORMANCE TRADE-OFFS

The blue line shows the “ideal” battery pack, however in the real world, this is not always possible.

Our battery specialists consider your budget and your priorities to design and manufacture the best possible power solution.



OUR CLIENTS

We have supported leading companies in sectors of:

- » Defence & Security
- » Aerospace
- » Emergency Services
- » Lighting & Solar
- » Industrial Automation
- » Television & Broadcast
- » Medical & Health
- » Mining & Expolration
- » Agriculture & Water Technologies
- » Telecommunications
- » Auto & Marine
- » Start-up companies & Design houses
- » Electrical Wholesalers
- » Consumer replacement retailers
- » Specialty DC power retailers
- » Water & Power Utility providers
- » Education & training sectors
- » Universities & Research Centres
- » PLC & Robotics
- » Environmental Monitoring
- » DC UPS & Backup
- » Parking & Traffic Access
- » Access Control & Detection
- » ATEX Environments
- » Remote Telematics/SCADA
- » Railway Signalling
- » M2M & Surveillance
- » Waste Managemnt
- » Asset Tracking
- » Transport & Logistics
- » Internet of Things (IoT)
- » Metal Detecting
- » Road, Rail & Port Infrastructure Development
- » Underwater & Sub-Terrain
- » GPS & Wireless Communications
- » Animal & Vehicle Asset Tracking
- » Building & Construction
- » Renewables & Clean Energy



Mi
BATTERY ENGINEERING

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