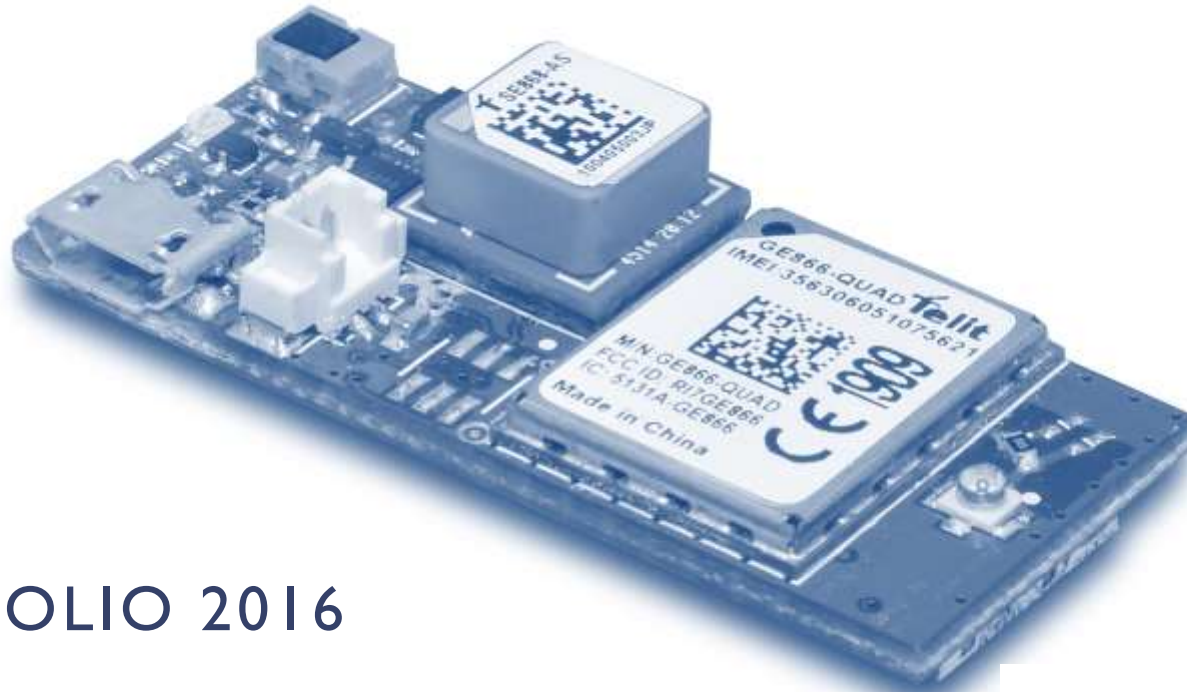


# MDC Technology



PORTFOLIO 2016



## Business segment microelectronics

### Specialties

- Industrial electronics
- Wireless for the IoT
- High miniaturisation

Authentic and verifiable  
references

Certified Atmel AVR developers

## Wearable Tracker

Localisation and monitoring of calorie consumption

High miniaturisation degree

Designed for maximum battery life

Integrates GSM, GPS, accelerometer and e-compass

Interface for OLED display

High capacity storage memory

Customer: confidential



## Geothermal test equipment

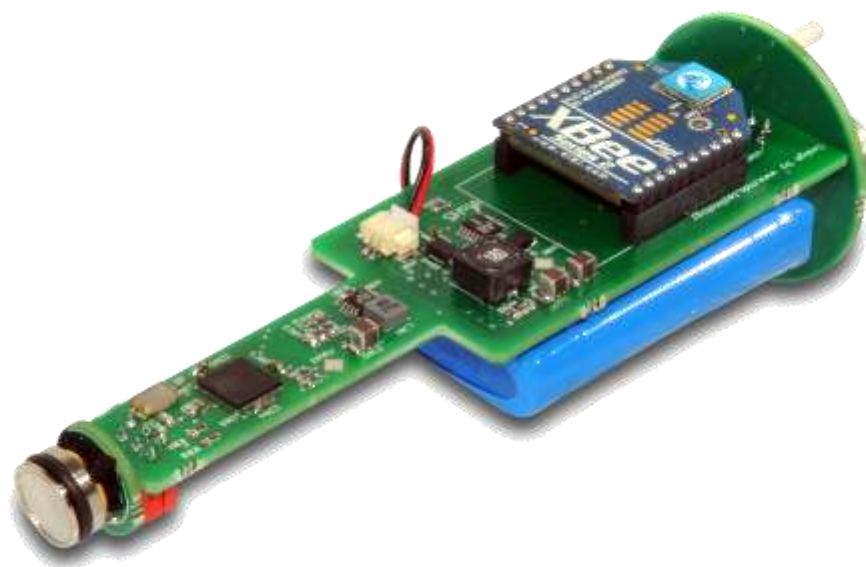
In-field, real-time check of mortar coating for geothermal probes.

Pressure up to 50 bar (725 psi).

Data stored locally or sent via wireless.

Battery supply with advanced power saving techniques.

Customer: Geoenergia  
<http://www.geoenergia.it>



## 3-phase energy meter

Electronic energy meter, up to  
3500W per phase.

Opto-insulated I2C interface.

Customer: Geoenergia S.r.l.  
(<http://www.geoenergia.it>)



## Digital pmr radio

Prototype of digital radio.

Compliant with ETSI dPMR446 standard.

Full UHF band 400-470 MHz.

Customer: Midland Europe

<http://www.midlandeuropa.com/it>



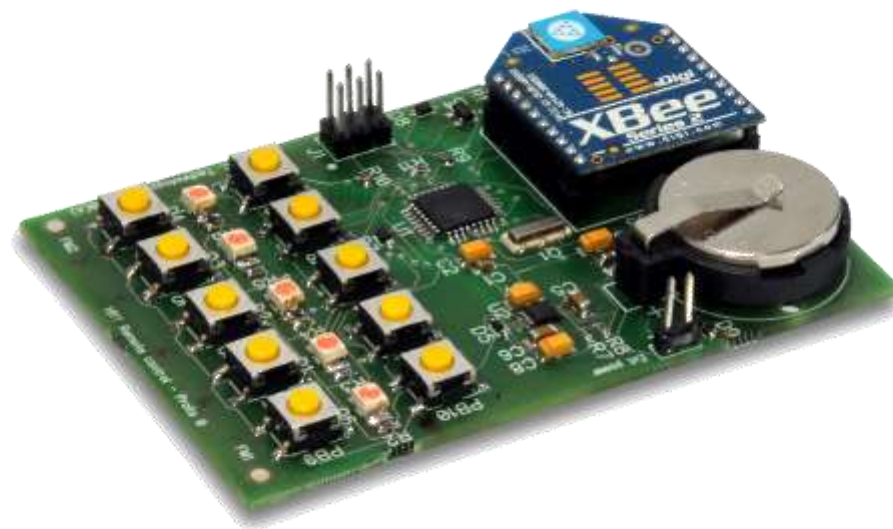
## Marine grade remote control

Remote control for winches installed on yachts and superyachts.

Manages up to five devices, with multiple, simultaneous movements.

Tested in saline chamber and in marine environment.

Customer: Harken Italy  
<http://www.harken.it>





## Custom control board

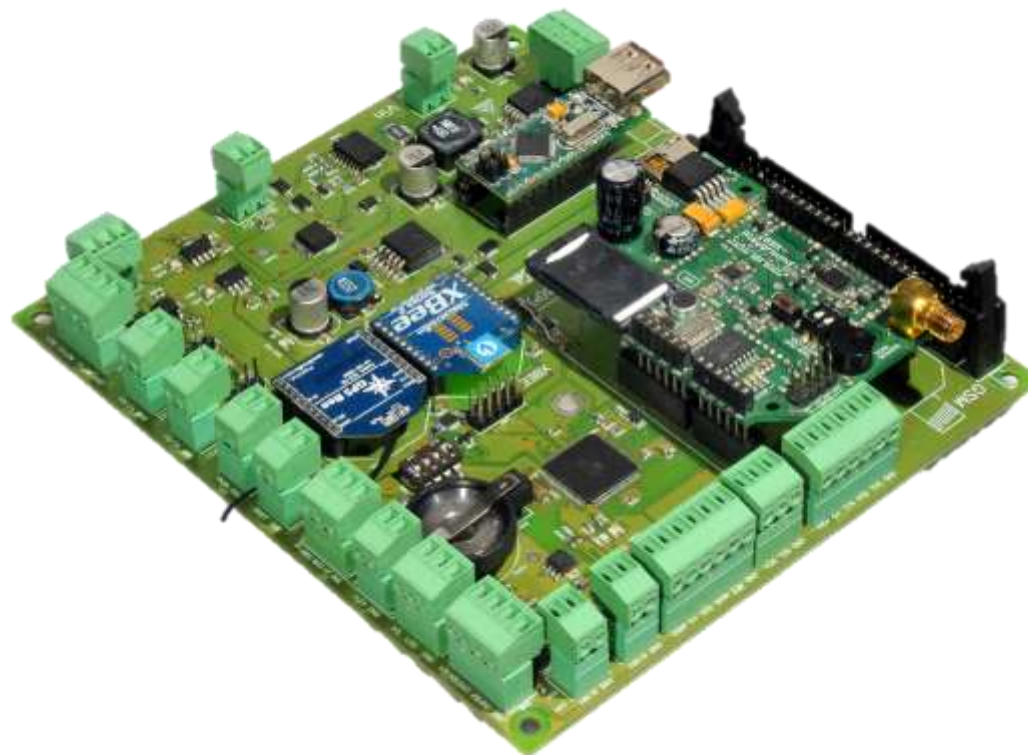
Installed inside Geogert  
(<http://www.geogert.it>), an equipment  
for automatic geothermal tests.

Controls all the field peripherals

Collects, prints and sends test data  
via GSM

Firmware upgradable on-the-air

Customer: Geoenergia  
<http://www.geoenergia.it>





## Solar-powered battery charger

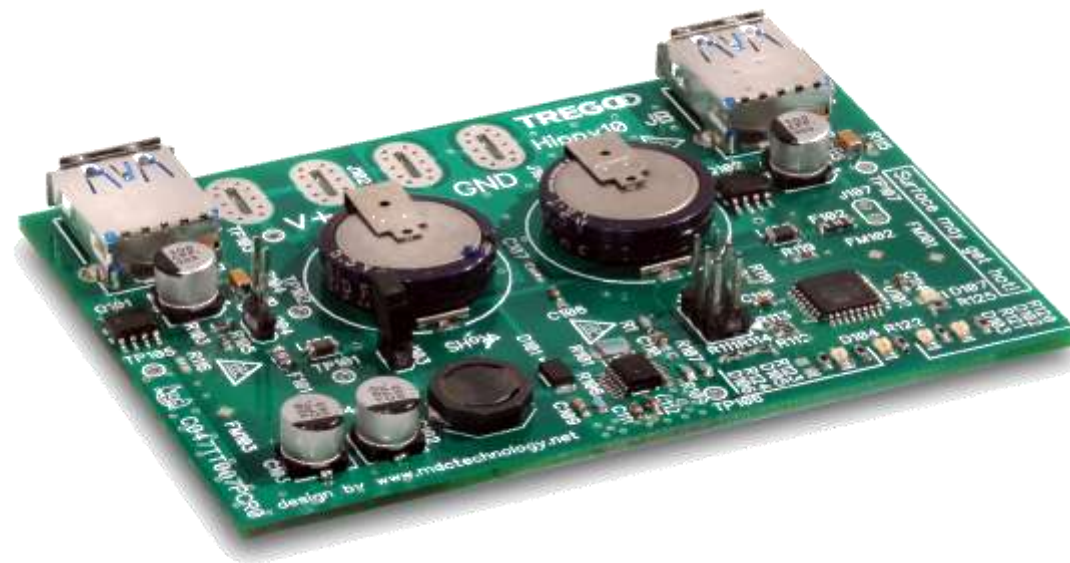
For cellualars and smartphones.

Dual 5V output, on USB.

Works even in case of temporary light reduction.

Customer: En-Eco S.p.a.

<http://www.en-eco.com>



## Stepper motor control board

Two axes, expandable to four

Speed and acceleration profiles fully programmable.

Modbus/RTU over USB.

Customer: EGSolutions

<http://www.egsolutions.com> (part of Heraeus Kulzer GmbH)



## Control board for industrial fridges

Installed on fridges for business  
customers in food&beverage  
segment

M.d.C. Technology directly  
manufactures the board

Customer: Unifrigor

<http://www.unifrigor.it>



## How to contact us

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Feel free  
to contact us:  
we are here  
to serve you!