

# ENERGY SAVINGS AUTOMATION SENSORS

Helping companies improve energy efficiency  
in an innovative way of technological units.

Industry 4.0



**DEMCAK**

Our technology is where you need it.



## INCREASING ENERGY EFFICIENCY THROUGH SIMPLE AUTOMATION

### Energy management effectively

With our IoT APeM secure network, we can help you achieve efficiency improvements and reduce operational costs. At the same time, we achieve a reduction in CO2 emissions. We identify where effective management can reduce the consumption of purchased or stored energy and implement our control system in buildings, production units or entire communities. The advantage is one autonomous system with 24/7 support, which we are constantly innovating.

### Building management

You can also coordinate your building or network of branches to make the most of the energy get the most out of your energy and technology purchases. Above all, you have control over ventilation, heating, air conditioning, water consumption, room humidity, etc., where you can ensure that you achieve your goals more quickly by taking a cost-effective approach to consumption energy. Ensure a healthier environment and lower operating costs in the building for yourself and your tenants.

#### Use in

- ✓ hotels
- ✓ commercial premises
- ✓ data centres
- ✓ school buildings
- ✓ offices
- ✓ indoor sports facilities
- ✓ production facilities
- ✓ medical facilities

### Industrial Energy Management

IoT communication network connects devices with sensors and analytics tools to provide up-to-date consumer data with the ability to respond immediately to energy fluctuations. We can detect inefficient machine wiring and overconsumption of energy, which usually indicates wear and tear or impending machine failure.



## PREDICTIVE MAINTENANCE AND SENSORS IN INDUSTRY

### One system for protection and automation

We install an optimised system in your plant for managing remote devices over a secure network IoT DEM Safety Control with online data transfer to the portal. We help you reduce costs in real time costs and maximize system availability. You get an autonomous system for fault resolution and predictive analytics. The system also prevents the spread of damage in the event of an existing accident protecting people's health and lives.



### Industrial solutions and their benefits

- ✓ **secure IoT technology**
- ✓ **unlimited infrastructure**
- ✓ **hard to reach places**
- ✓ **on-line device management**
- ✓ **completing the system as a kit**
- ✓ **autonomous barrier to the spread of damage**

### Use in



#### LIQUIDS

Water leak detection, refrigerants and other operating fluids.



#### CHEMICALS

Detection of alkaline, acidic and neutral substances.



#### PLANS

Methane leak detection, propane, butane, LPG, natural gas, oxide carbon monoxide and others.



#### OIL

Leak detection of food and technical oils for lubrication, cooling, hydraulics, etc.



#### MOVEMENT AND VIBRATION

Detect the movement of people, operator alertness, machine parts, material, detection devices for hazardous lone workplace, vibrations on bearings and machine parts, etc.



#### TECHNICAL GASES

Presence detection oxygen, nitrogen, acetylene, argon, carbon dioxide, hydrogen and helium.

## ABOUT US

We are a Czech development company operating on the market of existing and innovative technologies in the sector of sensors, automation and energy savings.



+420 465 422 849



[www.demcak.eu](http://www.demcak.eu)



A Member  
of **RADKA**  
GROUP



DEMCAK s.r.o.

Na Lužci 706 | 533 41 Lázně Bohdaneč | Czech Republic