

# Korutek Engineering

## EXPERTS IN REDUCING TEMPERATURES IN GLOBAL FOOD PRODUCTION

We specialise in designing, manufacturing, installing, servicing, and modifying industrial freezers, chillers, and ambient coolers, tailored to meet the needs of the global food industry.

### OUR CORE FOCUS AREAS:

1 SAFETY

2 HYGIENE

3 INNOVATION

## REMOTE CONDITION MONITORING

OF COOLING, CHILLING AND FREEZING MACHINERY



### 24/7 INFO

Korutek Remote Condition Monitoring records performance information 24/7, such as Heat, Vibration & Electric Current.

Ensuring Motors, Bearings, Automatic Lubricators & other key parts of a Vibrating Screen are protected.



### EARLY WARNING

Korutek Remote Condition Monitoring (RCM) provides early warnings to all connected devices before failure. When pre-set parameters are exceeded, warnings are sent to all connected devices - laptop/ mobile/ computer.

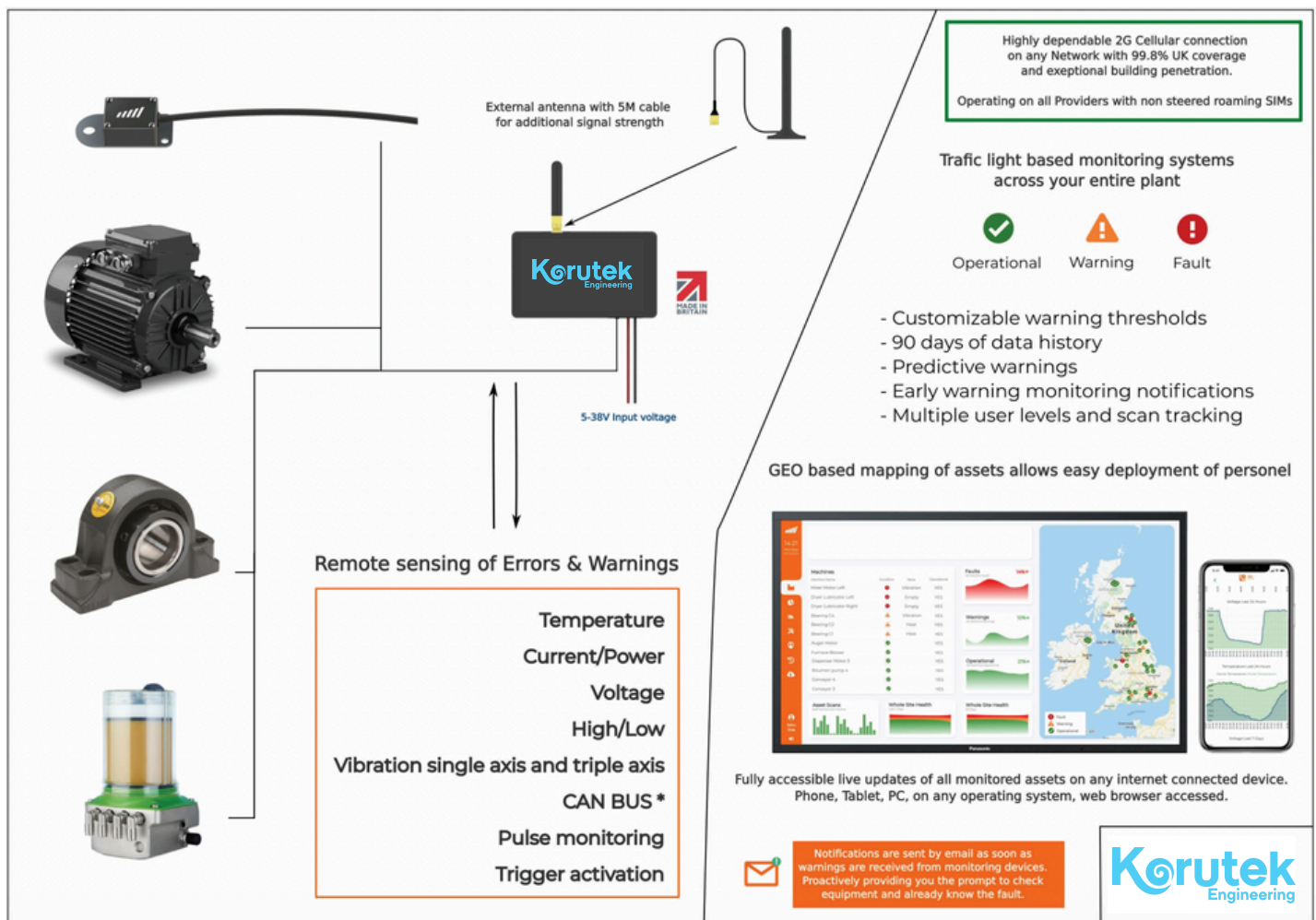


### RELIABILITY

Enhance plant reliability, reduce downtime, and save valuable man-hours with Korutek RCM.

This cost-effective, user-friendly, and highly functional Remote Condition Monitoring system makes maintenance effortless.





## WHY CHOOSE KORUTEK MONITOR?

- Low-cost installation and monthly data charge.
- 24-hour monitoring of automatic lubricators, signalling-systems, bearings, gearboxes and motors.
- Receive instant push-notifications to laptop and phone.
- Cellular technology - no loss of data due to power outages or poor Wi-Fi connection.
- Oversee and observe systems countrywide on a single dashboard.
- Adjustable time interval reporting - 15mins, 30mins or 60mins.
- Preventative Maintenance check completion is logged by utilising QR code scanning situated on the Monitor.
- Reduce downtime costs - knowing exactly where and when problems occur.
- Korutek Monitor can have up to 8 different sensors- maximising problem/ error detection.
- Rated IP66/67 to withstand monitoring allocated in all environmental conditions.

## HOW DOES IT WORK?

- Powered by 5-38V input Voltage.
- Sensors are directly connected to the application.
- Data is transferred to the monitor to measure & record the characteristics at set intervals. Data is converted into graphical trends, displaying equipment performance & predicted life cycle.
- When parameters are set, optimum performance can be used to trigger early warning systems (when data anomalies occur), thus indicating that action is required. Major faults are signalled by a sizeable relative difference in data & this is relayed as a push notification alert.
- Data can be accessed on the control panel portal via Smartphone, PC or any device that has an internet connection.
- QR codes are located on the monitor's exterior to allow easy inclusion in Preventative Maintenance schedules.