

# Choose the best in crack monitoring technology

*Low cost  
Hassle free  
Accurate  
Reliable  
Easy to use*



Montec Base Station (MBS)

The **Montec Crack Monitor** has been designed to improve accuracy and reducing overall cost of crack monitoring over traditional methods. It uses an innovative sensing method that allows measurements of both width and shear to be taken and recorded at regular intervals. The data is then transmitted to a web based data server, where it can be viewed in real time. It is quick and easy to install and will work on buildings, bridges, dams and similar non-ferrous structures.



Montec Crack Sensor (MCM)

## Benefits include:

### **Cost saving**

- Once installed no further site visits are needed
- A system can be installed by a non-technical person in under an hour

### **A better understanding of the structure being monitored**

- Hourly recordings allows the engineer to see *when* movement occurred, not just how much
- Recordings at regular intervals over a long period of time make it easy to spot trends in movement

### **Convenience**

- Simply log in through any web browser to view or download movement data in various formats
- Simple subscription model which includes all data costs
- No SIM card contracts to manage
- Long wireless range between MBS and MCMs (1000+ meters line of sight) means in most situations only one MBS will be needed per site
- Removes human error



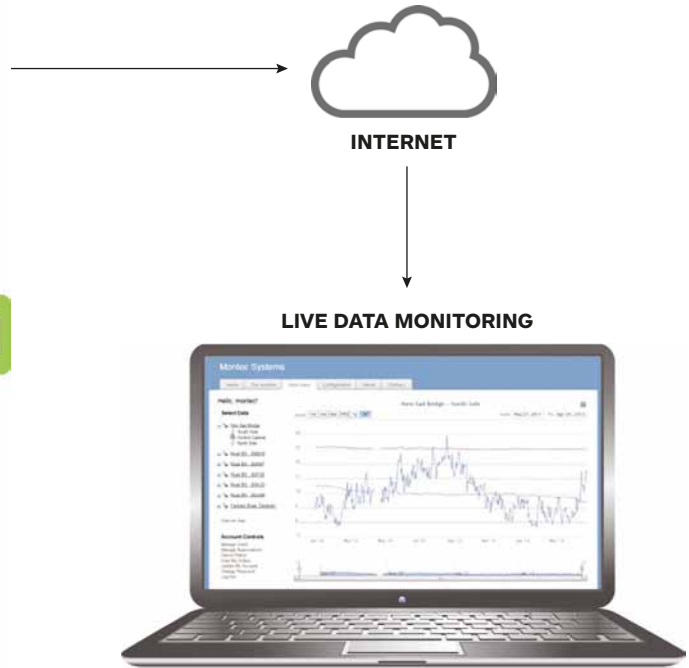
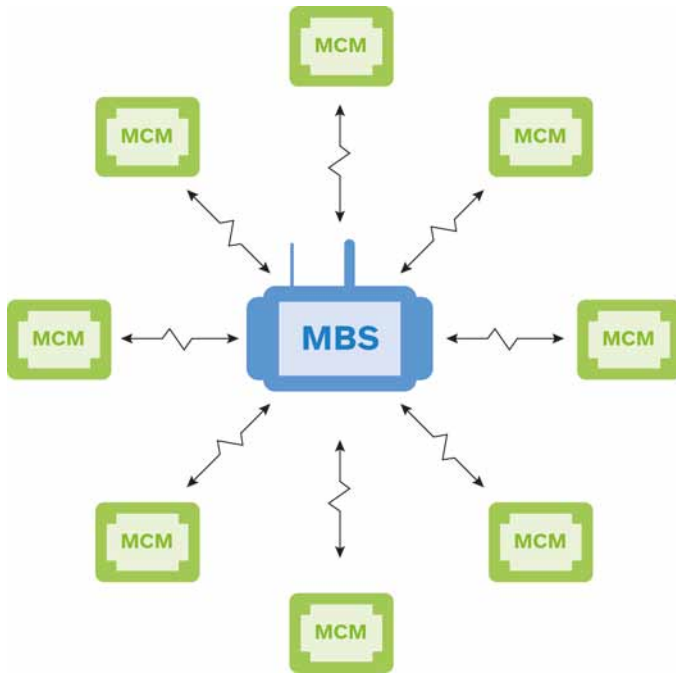
### Montec Base Station (MBS)

- Gathers data from up to eight sensors through low power wireless link
- Transmits data four times a day to automatic online database
- Long-lasting self-contained battery (approx. 1 year\*)
- Low maintenance
- Weather proof

\*dependent on range to nearest mobile phone antenna

### Montec Crack Sensor (MCM)

- Quick and easy installation due to novel fixing method
- Uses innovative magnetic sensing technology to measure changes
- Fitted with highly stable Samarium Cobalt magnet
- Individually calibrated magnet sensors for maximum accuracy
- Weather proof



### MCM Product specification:

- Measures crack or joint movement width and shear (x and y)
- Resolution 0.01mm
- Measurement range:
  - -5 to +25mm in the X direction (width),
  - +10 to -10mm in the Y direction (shear)
- Accuracy over a 20 x 20 grid the typical standard deviation (Fixed Z):
  - in the X direction is 0.025mm (max error 0.15mm)
  - in the Y direction is 0.05mm (max error 0.2mm)

*(request a full accuracy report of a typical sensor)*
- Battery life 3+ years

### Data Monitoring

- Accessible online through any web browser
- Simple, intuitive web application
- Easily view data for each sensor
- Hourly recordings records movement *and* timing
- Download data in various formats

Find out how the Montec Crack Monitoring System can benefit your business – contact us now for more information or a non-obligation quote:  
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