xCELL CYCLOPS™
CONVERGENCE SENSOR
FOLLOW YOUR MINE ONLINE

THE NEW WAY TO MONITOR, ANALYZE AND GET ALERTS ABOUT CONVERGENCE IN YOUR MINE.

SANDVIK

MODERN SAFETY MEASURES FOR MODERN MINES

As underground mines are getting deeper and more complex, ground conditions are becoming more challenging to manage. With Sandvik xCell Cyclops™ convergence sensors you get a real-time flow of convergence data delivered straight to your device. It enables you to monitor and deal with risks before they become dangerous and costly. With continuous monitoring, you make your mine a safer environment to work in while minimizing rehabilitation costs.

xCELL CYCLOPS™ (FRONT)

- ROBUST FOR MINE ENVIRONMENT
- LASER SENSING TECHNOLOGY
- LED'S INDICATOR
- WI-FI AND BLE CONNECTIVITY

xCELL CYCLOPS™ (BACK)

- BALL PIVOT MECHANISM AND LOCKING
- RETROFITTABLE TO MD/MDX AND BARS
- BATTERY POWERED

EASY INSTALLATION. INSTANT MONITORING.
xCell Cyclops™ convergence sensor is easily mounted to your MD, MDX or standard threaded bolt heads. The built-in ball pivot mechanism makes it easy to aim the sensor. Once installed, the unit continuously measures the distance from one side of the tunnel to the other using precision laser technology.

xCELL PROFESSOR™


WI-FI AND BLUETOOTH CONNECTIVITY.
With Wi-Fi connectivity, the data is instantly available in the web and iOS interface. If Wi-Fi is not available, xCell Professor™ Bluetooth Low Energy gateway is mounted on already existing vehicles for drive-by data collection. When the vehicle passes a sensor, it automatically downloads the data stored in the memory of the sensor. Once the gateway connects to Wi-Fi, the latest information is directly uploaded to the cloud.

AUTOMATIC BLE DRIVE-BY COLLECTION

MOUNTED ON VEHICLES

WEB AND IOS INTERFACE

AUTOMATIC VISUALISATIONS
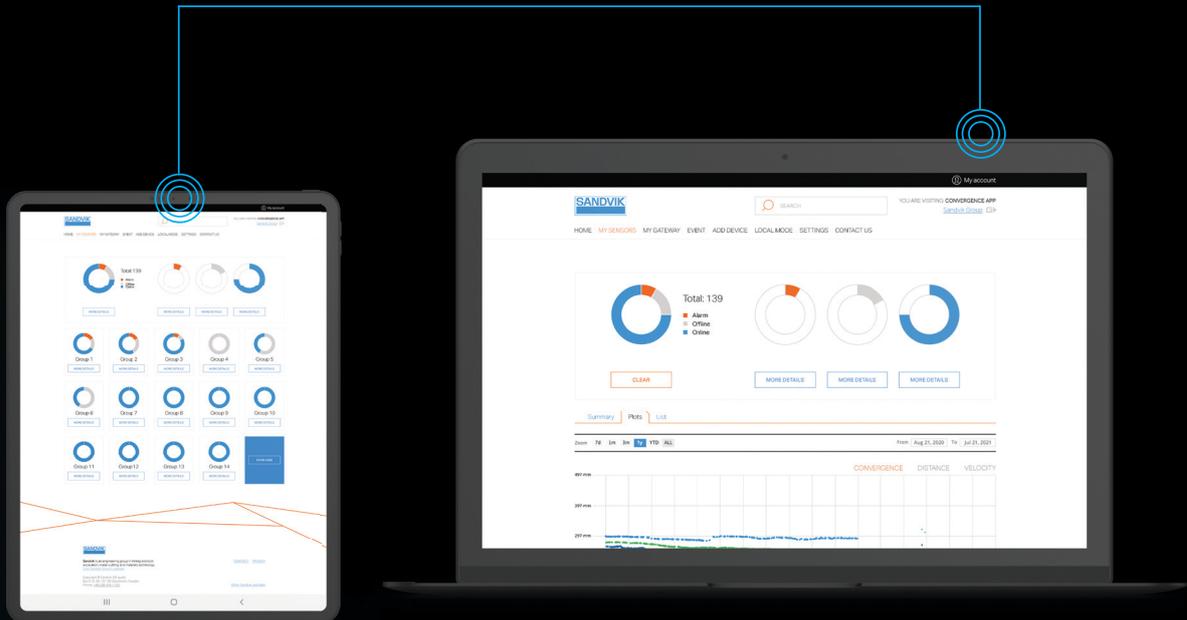
INTERFACE

SIMPLE INTERFACE. ADVANCED INSIGHTS.
The cloud-based web and iOS interface enable admins and users to collect data, make configurations, and find visualizations of the sensor measurements. The interface automatically turns the data into graphs and charts showing location, distance, convergence and speed of movement. These parameters can be configured to set off notifications and alarms. Remote access to this data, in contrast to current manual measuring methods, creates safer and more efficient work environments while improving your knowledge of the rock mass behavior in your mine.

SANDVIK