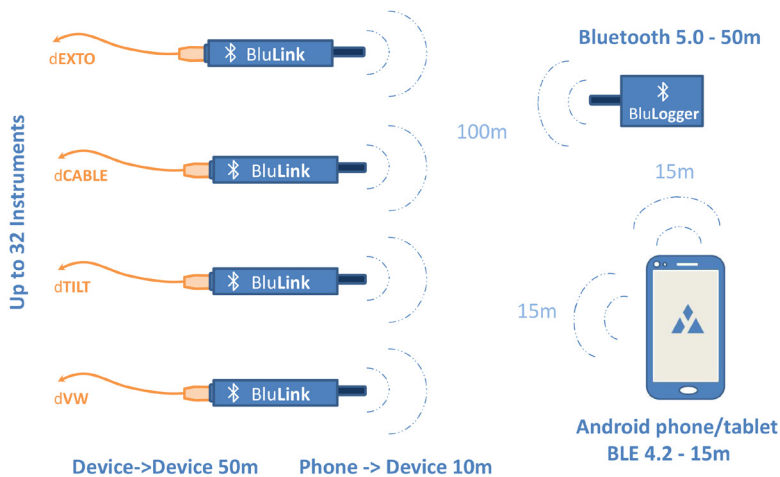




Pre-placed instruments directly over TBM path(s)



## d-Tilt

The d-Tilt is a full 360 arcdeg triaxial wireless tiltmeter for very precise measurement (0.001 arcdeg resolution) of changes in inclination. The instrument uses a very low noise MEMS accelerometer that enables a resolution of 0.001 arcdeg with a 24hr stability of +/-0.001 arcdeg.



## d-Micro Geotechnical Crackmeter

YieldPoint's d-micro is a high precision digital crackmeter with a 10mm range. It operates using an embedded microcontroller running the d-Tech firmware. It is most commonly used as a crackmeter in rock on the surface of concrete structures.



### **d-Conv Convergence Sensor**

YieldPoint's d-Conv is a high precision digital displacement with a 150mm range. It is most commonly used as a roof-to-floor convergence station in salt and potash mines.

### **d-GMM**

The d-GMM is a single channel Ground Movement Monitor that can be used to measure deformation or displacement in many different configurations. The instrument is designed to measure extension although since the shaft is flexible it can accommodate eccentric loading or shear.



### **d-MPBX**

YieldPoint's recognizes that in many mining situation fast deployment of an ungrouted borehole extensometer is preferable. The d-MPBX is a unique 1 to 6-Point Multiple Point Borehole eXtensometer (MPBX) based on a single rod design.

### **d-Civil-EXTO**

YieldPoint adapted its world renowned dExto extensometer for installations in soils. YieldPoint's soil extensometer has higher profile anchor points and adjustable resistance to extension. The anchor points can be position to extend or contract.



### **d-EXTO**

YieldPoint's unique 1 to 6-Point Multiple Rod Extensometer (d-EXTO) combines a traditional Multi-rod design and digital signal processing to result in dramatically improved accuracy and reliability compared to similar priced existing technology.

### **Bluetooth Data Logger**

YieldPoint's BluPoint technology integrates Bluetooth 5 into geotechnical instrumentation. Bluetooth 5 features the same low power features as BLE but with 4x range (50m).

