



## CiDRA Minerals Processing - pipeline leak detection solutions

---

Breakthrough slurry flow meter enables a step change in pipeline leak detection ... ***Can your meter do that?***

- Accurate, stable, drift-free slurry flow measurements enabled by array-based technology
- Naturally immune to magnetic material (magnetite, ferrosilicon, pyrrhotite)
- No contact with fluid
  - ◆ Does not wear out
  - ◆ Maintenance-free
- ◆ Unprecedented leak detection capability
- ◆ Unprecedented mass balance capability

# Array-based Flow Meter Overview and Case Study

## System

### Sensor Band (array of sensors)



### Protective Cover



## How it Works

- The passive sensor measures the speed of naturally occurring turbulent eddies as they move through the sensor array (from 0.9 m/s to 9 m/s)



## Comparative Case Study - Slurry Transport Pipeline

- Array-based meters provide *Superior* meter to meter tracking
- Enables tighter leak detection capability

