

# Need for Real-time Metals Detection





Ultrapure water



**Industrial Wastewater** 



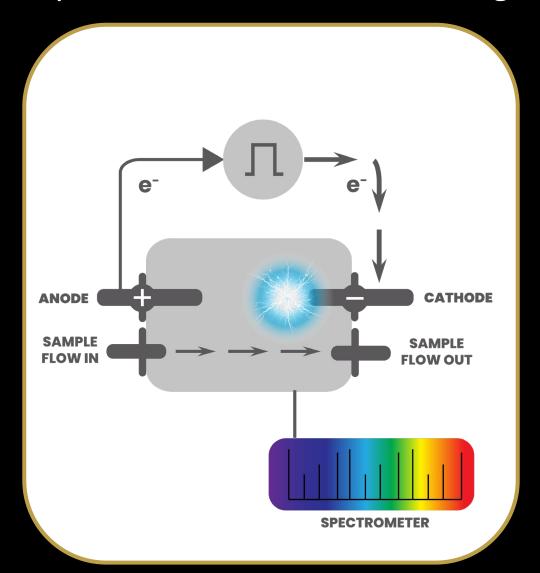
Lab-on-Site



Mining

### New Real-time Solution for Metals Monitoring

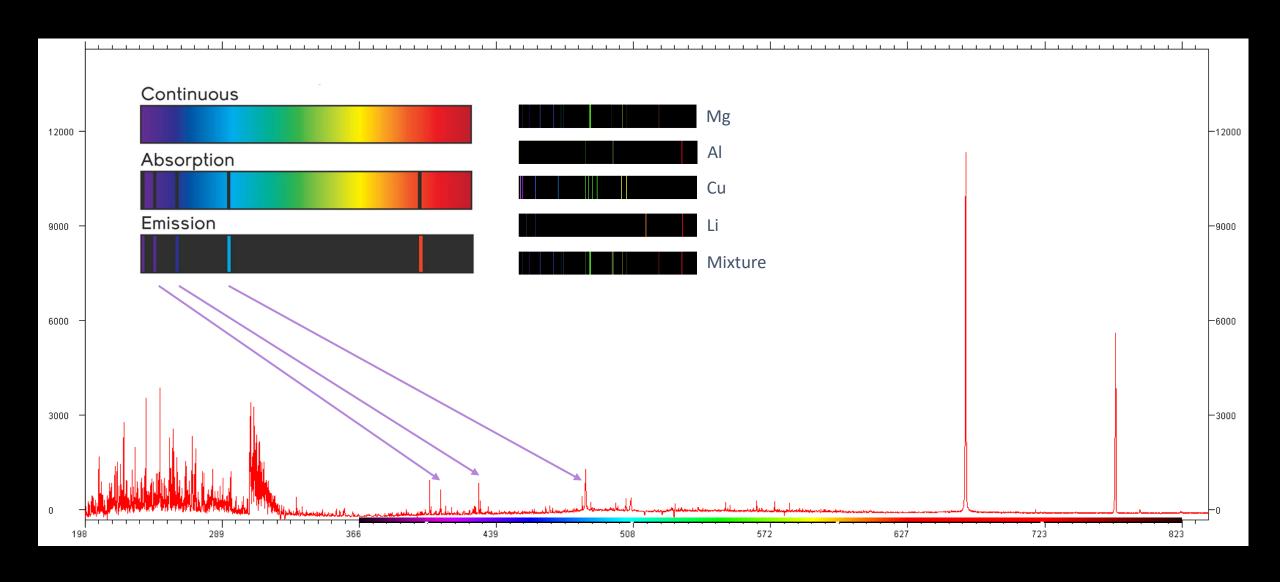
μDOES® - Micro-discharge Optical Emission Spectroscopy



#### **ADVANTAGES**

- ICP-OES performance for metals, on-site
- Immediate analysis results (QC, process)
- No manual labour (sampling / pre-treatment / analysis)
- Continuous data reveals previously unknown phenomena / events / information
- Green chemistry:
  - no carrier gas
  - no chemical reagents

## μDOES® Analyser is Specific to Metals



### μDOES® Simultaneous Multi-metal Detection

Record Coverage of 30 Metals

#### **ONLINE**

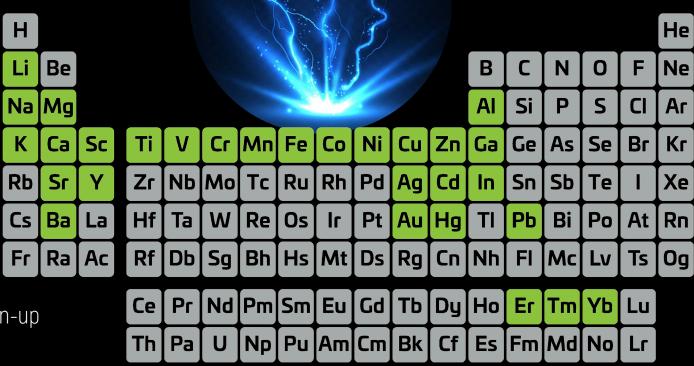
Extractive measurement every 15 minutes

#### **SENSITIVE**

In ultrapure water the detection limits are typically less than  $1 \mu g/L$  for most metals

#### **AUTOMATED**

100% automatic from sampling to reports, including clean-up and calibration. Up to 3+ months maintenance intervals.





Measurement Cuvette

Pumps for automated — sample handling and cleaning



### See Your Water Quality in Real-time



## Lab-on-Site Solutions



Easy to move and ship



Inside the air-conditioned measurement container



Water monitoring at -30°C ... +50°C outdoor temperature

