

**Company Profile:** A global mining company with a diverse portfolio, operating in Brazil and around the globe.

**Industry:** Gold Mining

**Product Produced:** Gold

## The Story

Managing underground water is challenging. Water at the mine face is a particular struggle as there are many unknowns. Water infiltrates through hidden cavities in rock and from the drill rigs. This presents a risk of damaging valuable mining equipment and, more important, a risk of harming the miners.

With limited areas for pool storage near the mine face, the need to extract the liquid is a constant priority. Downtime is unacceptable.



## The Challenge

The mining customer in this scenario was facing numerous problems with a competitive AODD pump. The air distribution system (ADS) was stalling frequently due to the requirement for clean and dry compressed air. Making matters worse, they were using pumps that required constant air-line lubrication, resulting in health and safety concerns.

Additionally, they were using pumps that incorporated a fluid suction strainer base made of polyurethane which became brittle and prone to breaking.

Screen bases are used to prevent large solids from entering the pump, allowing water and other smaller sediment to pass through. When they break, they are ineffective.

They needed a reliable alternative.

## Requirements

- Robust suction strainer base
- Reliable ADS (Link the ESADS+ video)
- Lube-Free ADS
- Run dry capably pump

## Solution Overview

The local SANDPIPER distributor in Brazil, Instruval developed a stainless steel suction strainer base for the 2" S20 model, which resolved the breakage issues with competitor units.

This change, combined with the proven SANDPIPER ESADS+ air distribution system, designed to handle dirty, wet air up to 40-microns of partials, was the solution to their problems. The ESADS+ system required no external lubrication, drastically reducing health and safety concerns.

SANDPIPER AODD pumps are chosen for mine dewatering because they provide:

- **Reliability:** ESADS+ ADS delivers reliable
- **Environmental:** Lubrication-Free operation
- **Channel:** World class distribution

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