

# Aconcagua Energía Implements Pexgol Solutions for Efficiency and Savings



Transformation in the logistics of formation water.



## Aconcagua Energía Argentina | 2023

### • Working Conditions

Temperature: 35°C / 95°F  
Flow: 80 m<sup>3</sup>/h  
Pressure: 10 kg/m<sup>2</sup>

### • Pexgol Pipe

Pexgol 90 mm class 15 & 110 mm class 24

### • Application

Injection water transport

### • Length

10000 m / 32808.4 ft

### The Challenge

Aconcagua Energía, a prominent independent energy company in Argentina, faced significant challenges in transporting injection water, crucial for its oil operations. Traditionally, formation water was transported by trucks from the treatment plant to the elevated tanks, which not only represented a high operational cost but also involved risks associated with transport and logistical difficulties, especially during adverse weather conditions or certain times of the year. The need for a more efficient, safe, and economical solution was evident.

### The Solution

In search of improving operational efficiency and reducing costs, Aconcagua Energía opted for the implementation of an innovative pipeline using 90 and 110 mm Pexgol for a total of 10,000 meters. The choice of Pexgol was due to its recognized advantages in terms of installation speed, material flexibility, lightness and ease of handling, as well as the ability to transport in rolls, which greatly simplified logistics on the ground.

The installation was carried out in stages, minimizing assembly times and optimizing the resources used. Mechanical double connectors and flanged couplings were used, facilitating a safe and efficient integration into the existing system.

The project not only eliminated the dependency on truck transportation but also brought tangible benefits in terms of operational costs and associated risks. The first phase of the installation included the assistance and training of Arpex in unrolling techniques and the use of mechanical connectors. For the later stages, the Aconcagua Energía team was able to carry out the installation autonomously, demonstrating the effectiveness and ease of implementation of the Pexgol system.



# The Advantages of Pexgol Pipe Systems



## High resistance to wear

Pexgol is the preferred solution for abrasive materials transportation. Typically resists three times more than HDPE and twice more than steel.



## Superb internal and external corrosion resistance

Our pipes are proven to withstand decades of exposure to corrosive environments, with nonstop performance in some of the world's harshest environments.



## Excellent chemical and corrosion resistance

Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.



## Long pipe sections

Pexgol pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.



## High temperature resistance

Working temperatures can range from  $-50^{\circ}\text{C}$  /  $-58^{\circ}\text{F}$  up to  $110^{\circ}\text{C}$  /  $230^{\circ}\text{F}$ .



## Creep and impact resistance

Pexgol pipes can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Furthermore, Pexgol pipes are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

For more information please visit:  
[pexgol.com](http://pexgol.com)

