nanotech EXTRATION®

The evolution in oil exploration





The nanotechnological isolation **process**



Acts as a **high performance insulator** maintaining its characteristics for **over 10 years**

The great advantage of **nanotechnology**

Nanotech Extraction® is a revolution in the steam injection process in recovery wells!

The use of nanotechnology in pipe insulation maintains its insulating characteristics for more than 10 years, unlike the VIT usually used, which lose efficiency between 4 to 5 years, with its annular space (vacuum) contaminated by hydrogen (H) from the base inner tube. The result is **superior durability** (10 years) and **constancy in thermal efficiency**, also for **10 YEARS**





Operational Process of **Steam Injection & Petroleum** Extraction



Market practice



The hydrogen (H) existing in the walls of laminated tubes penetrates the annular space containing vacuum, causing a partial to total loss of it, despite containing getters (gas absorbers)

nanotech EXTRATION®



We guarantee the efficiency of your project for 10 years









Increased elastic limit of the welded joint

Inner pipe: up to 360°C / 680 °F Outer pipe: down to 80°C / 176 °F



Nanotechnology embedded in the tube

Our tubes also have state-of-the-art technology in the **welding process**. The addition of alloying elements increases the elastic limit of the welded joint, thus **protecting against rupture or fatigue cracking**. This guarantees a longer useful life for our insulated piping, manufactured using a proprietary technique called the Super Thermal Insulation System – **STIS**

Save energy. Increase your profits!

