

# PROVIDING KEY ENGINEERING AND PROCESS TECHNOLOGY SERVICES IN HEAVY OIL UPGRADING



- RES brings an intimate and complete understanding of key process technologies in heavy oil upgrading process development
- RES has performed a wide range of projects in heavy oil upgrading from feasibility studies and technology selection to process development and engineering
- RES brings extensive experience and contacts in heavy oil upgrading in South America

Year	Description
2013	90K BPD Slurry Heavy Oil Upgrading EPC – Process Technology Advisor (South America)
2009	25K BPD Slurry-bed Hydrocracker Design Review and Control (South America & Japan)
2008	90K BPD Slurry Heavy Oil Upgrading FEED (South America)
2007	Visualization Study & Process Scheme Selection for Heavy Oil Upgrading (North America)
2006	Heavy Oil Deasphalting Plant Design (South America)
2005	Process Scale-up & Debottlenecking for Heavy Oil Upgrading (Europe)
2005	Training Program for Heavy Crude Oil Processing
2004	Project Definition & Feasibility Study for Heavy Oil Upgrade (South America)
2001	New Technology Development & Scale-up of Aquaconversion Process (South America)