

Products Portfolio - All Solutions



*Innovative
Technology For
Artificial Lift
Productivity*

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BCP VEN

SLA COL

BCP BRA

ESP

BCP
Group
Artificial Lift

Wellpad Optimization System - WOS



Wellpad Optimization System - WOS Onshore

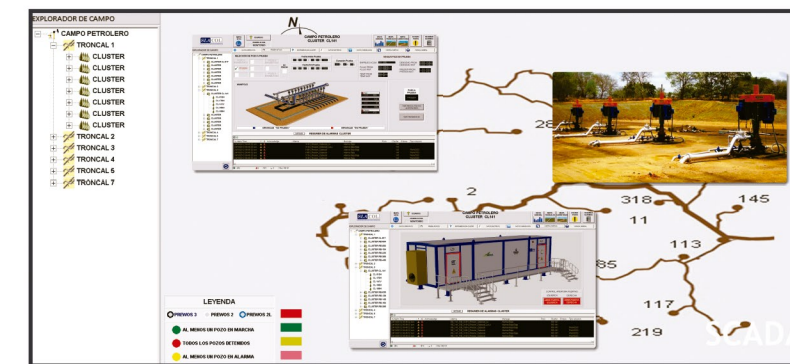
- Custom-Engineered Walk-in Metal Enclosure.
- Well Control System (SCP / VSD).
- Cluster Control System (SCC).
- Emergency Shutdown System (ESD).
- Access Control System (ACS).
- Clean Agent System (SAL).



Wellpad Optimization System - WOS Offshore

- Power Quality Equipment.
- Internal Air-conditioning System.
- Power Distribution Center (PDC).
- Auxiliary Services Center (CFS).
- Regulated Power System (UPS 240/120V).
- Electrical Surge Protection System.

SCADA Optimization



- Access to Well Conditions and Detailed Production Data.
- Display of Wells Operating Variables.
- Remotely Operated Wells.
- Well Performance Test and Build-Up from Control Center.
- Visual display of the Status of each Well in the Field.

Test Bench Facilities



- Test Bench Facilities for Testing Surface Equipment: Electric Motors and VSD up to 400 amps.
- Test Bench Facilities for PCP in Brasil, Colombia, and Venezuela.
- Test Bench for Downhole Sensor.

CILA 2S Intelligent Controller for Artificial Lift Systems



CILA 2S Intelligent Controller for Artificial Lift Systems

- Integral solution design with different VSD Technologies to control, protect, supervise and optimize different artificial lift methods like PCPs, Rod Pumps, ESP and multiphase pumps.
- Knowledge Enhancement in Artificial Lift Systems.
- Best Control and Power System Technology.
- Low Harmonics Solutions.
- Overall System Integrity (Surface & Downhole).

PCP Drivehead



PCP Drive Head

- Robust and Compact Design - Hollow Shaft Type - Standard Belt and Sheave System for PCP Applications.
- Special Drive Head for Gear Motor.
- Brakes System features hydraulic and mechanical backspin control.
- Oil Lubrication Display System equipped with an Oil Gauge.
- Self-Lubricating Seal Stuffing Box Type.

PCP & ESP Downhole Sensor (DHS)



PCP & ESP Downhole Sensor (DHS)

- Downhole Sensors with Digital Technology.
- Intake and Discharge Temperature: 0 °C - 150 °C.
- Intake and Discharge Pressure: 0 - 5,800 psi.
- Vibration Measurement Range: 0-50 g.
- Carrier for pipe: 2 - 7/8 to 5 - 1/2 inch.
- Round or Flat Communication Cable.
- Cable Clamp Protector.

PCP & ESP Systems Application Software



- Nomographic Chart for PCP, Circular Chart for ESP and Dynagraph Chart for Beam Pump.
- High Performance Optimization for Artificial Lift Oil Production.
- Intelligent Torque Control.
- Backspin Control.
- Staggered Start.

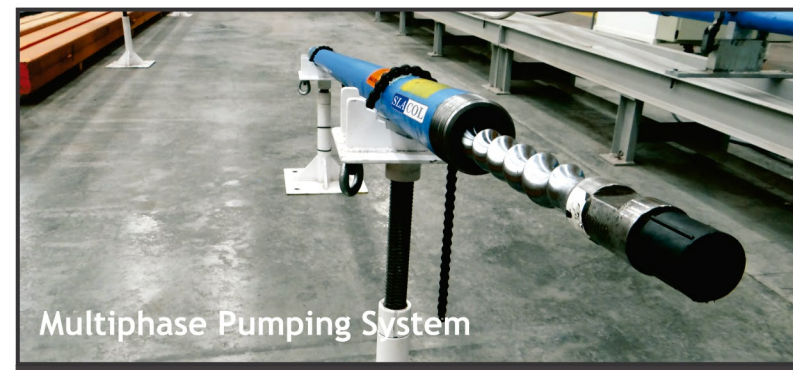
Surface PCP



Multiphase Pumping System

- Flow Rates up to 50.000 BPD.
- Pressures up to 1.000 PSI.
- Pumping of Oil, Gas and Water Mixtures with Solids.
- Low and Medium Voltage.

Progressive cavity pumps (PCP)



Multiphase Pumping System

- PCP Pumps for different Flow Rates: from 8 bpd up to 6100 bpd
- PCP Pumps for different Diameters: 2-3/8" to 6-5/8" inches.
- Use of different types of elastomers, according to technical evaluation.

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Rockwell Automation
Equipment Builder Partner

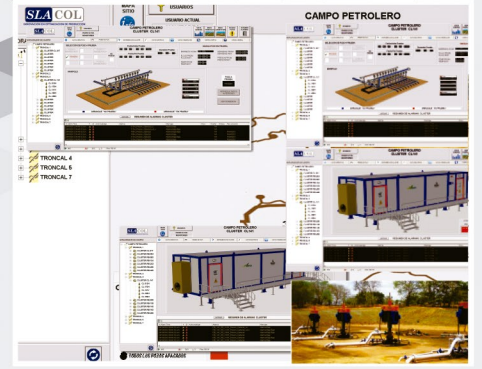
Products Portfolio



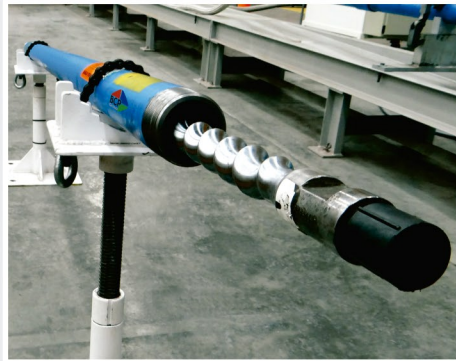
Wellpad Optimization System (WOS)



Multiphase Pumping (MPP)



Wells Optimization SCADA (WOS SCADA)



Progressive Cavity Pumping System (PCP)



Intelligent Controller for Artificial Lift Systems /ESP-IM, ESP-PMM, PCP, MPP, iSRP/ (CILA 2S)

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