

Corporate Summary



FAVE

GLOBAL SOLUTIONS

www.favegs.com



FAVE

GLOBAL SOLUTIONS

FAVE Global Solutions LLC is a corporation of German origin, with more than 10 years in Venezuela, working on the development of integral solutions for the industrial sector. Currently, it has been positioned as an alternative to carry out advanced reservoir studies and increased production, high-level technical solutions for oil Wells, Surface facilities, artificial lifting, sealing systems, procurement of materials and equipment for the oil industry, and services specialized in the industrial area. All these solutions are aimed at fully satisfying the client's requirements, with the support of a team of highly qualified professionals and technicians in each of the areas and guaranteeing at all times the quality management system, for the well-being of its workers , customers and the environment.



MISIÓN



VISIÓN

Propose solutions that meet the needs of the global energy industry, providing quality, response, cooperation, professional ethics and innovation in the market.

Consolidate as a leader in integrated solutions for the energy sector of operational and industrial processes through trust, innovation and adaptation to achieve total customer satisfaction.

Values



- | | |
|---------------------|-------------------|
| Cooperation | Motivation |
| Innovation | Commitment |
| Reliability | Competitiveness |
| Professional ethics | Opening to change |

Bussiness Locations

MAIN OFFICE

421 Rankin Cir, North, Houston, TX 77703, USA.

COMMERCIAL OFFICE

421 Rankin Cir, North, Houston, TX 77703, USA.

RESEARCH AND DEVELOPMENT CENTER

Unter den Linden 34D-35410 Hungen-Obbornhofen, Alemania.

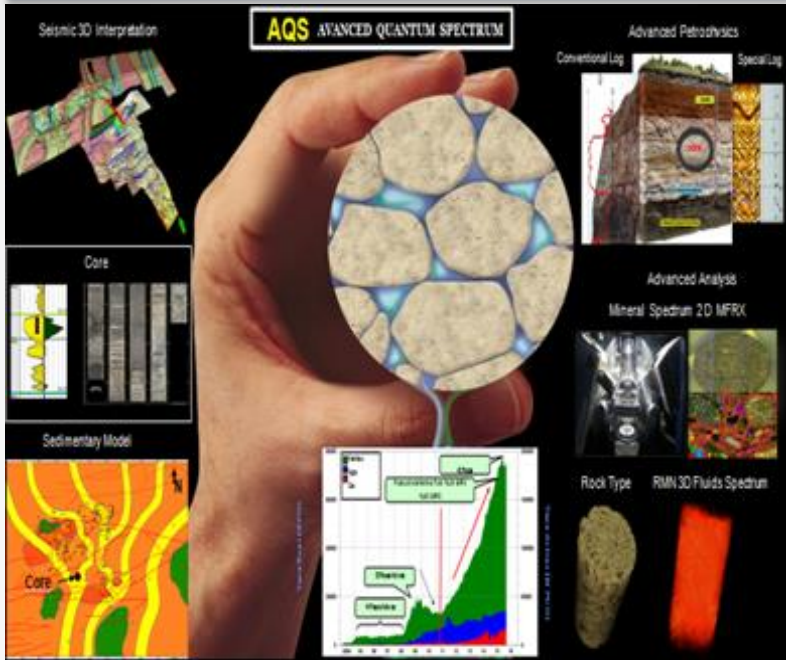
SERVICE CENTER AND COMMERCIAL OFFICE

El Peñonal No.A-3 Lechería, Venezuela.



INTEGRAL SOLUTIONS IN ALL PROCESSES

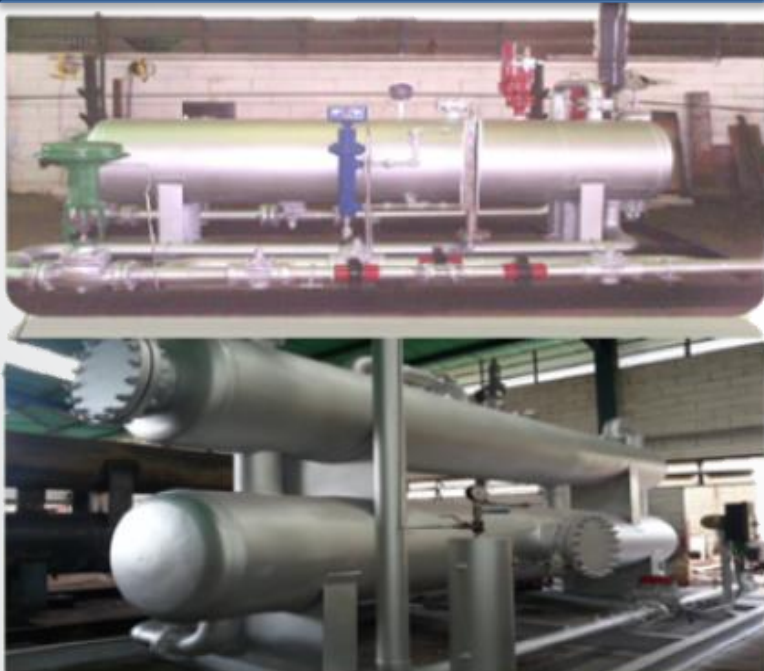
INTEGRAL STUDIES SERVICES IN E & P



EQUIPMENT AND MATERIAL PROCESS SERVICE



METAL CONSTRUCTION SERVICE



SURFACE FACILITIES SERVICE



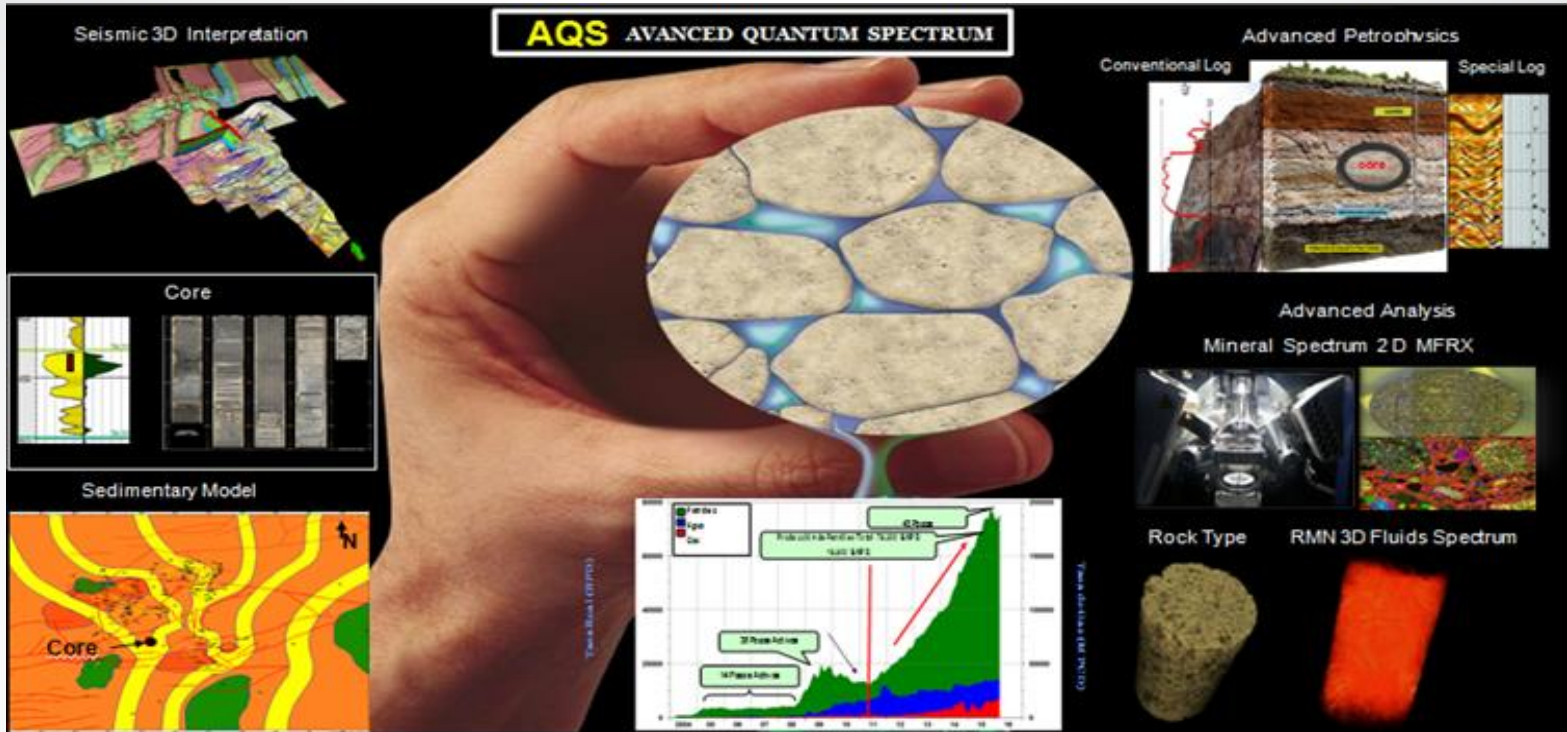
AQS (ADVANCED QUANTUM SPECTRUM)

Over the years, great scientists have discovered, quantified and studied the elements present in nature by classifying them in 118, thus creating the periodic table. Thanks to the contribution of these researchers, advances have been made in medicine, the pharmaceutical company, the automotive industry, atomic energy, and the oil industry, which has been strengthened and developed with the discovery of these elements that make up the internal crystalline structure of the minerals that form rocks and fluids, which move within it and are the ones that will govern the behavior of the productive life of a field.

With the knowledge of this complex structure of elements, our company puts at your disposal one of the most advanced techniques used for reservoir studies, called AQS (ADVANCED QUANTIC SPECTROMETRY), which has allowed us to discover large reserves in areas that seemed non-prospective , achieving the increase in production with low water cuts, optimizing resources to increase profitability in the investment.

Everything is possible, because FAVEGS has state-of-the-art equipment in laboratories with high technology, which allow a better understanding of the behavior of fluids within the reservoir and during the production process, obtaining greater recoveries in primary production, and establishing a better method of recovery and rehabilitation of wells.

INTEGRAL SOLUTIONS IN RESEARCH STUDIES

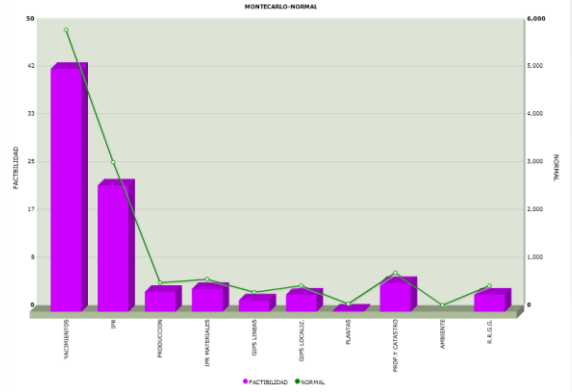


We have a highly qualified team of experts, providing our clients with services of advanced rock techniques and advice on interpretation, data processing and integration in quantum and qualitative 2D, 3D static and dynamic reservoir models. Processing and interpretation of the different mineral and fluid spectra. Seismic data processing and interpretation. Processing and interpretation of laboratory analysis, advanced petrophysical rock studies. Processing and interpretation and propagation of properties in Statistical and Geocellular models.

INTEGRAL SOLUTIONS & SPECILIZED SERVICES

SIMULACION DE DISEÑO DEL POZO

FECHA	TALADRO	FECHA DE INICIO OPERACIONES	TRAYECTORIA	TIPO DE POZO	TIPO DE TALADRO	NOMBRE DEL CORTE DE NUCLEO	NUCLEO ORIGINAL (MATRIZ)	NUCLEO TOMADO DEL POZO	% DIFERENCIAS	% SIMILITUDES
20/05/2017	PTX-486	27/05/2005	VERTICAL	PRODUCTOR CRUDO	TIERRA	MUC1041	1495711528_64.jpg		14.29	85.71



POZO	TALADRO	FECHA DE INICIO OPERACIONES	TRAYECTORIA	TIPO DE POZO	TIPO DE TALADRO	NOMBRE DEL CORTE DE NUCLEO	NUCLEO ORIGINAL (MATRIZ)	NUCLEO TOMADO DEL POZO	% DIFERENCIAS	% SIMILITUDES
MUC-104	PTX-5861	27/05/2005	VERTICAL	PRODUCTOR CRUDO	TIERRA	MUC1041	1495711528_64.jpg		14.29	85.71

CAMPO1XXXXXX 22/11/2016

TALADRO	PLANIFICADA (BARRILES)	PRODUCIDA (BARRILES)	% PRODUCTO
XXX-9999	400,000	326,483	81.62
XXX-8888	400,000	386,933	96.73
XXX-7777	300,000	257,061	85.69
XXX-6666	400,000	332,250	83.06
XXX-5555	1,500,000	1,499,999	100.00
XXX-4444	3,000,000	1,999,999	66.67
XXX-3333	400,000	333,430	83.36

TALADRO	CAMPO	POZO	COORD. SUPERF. N	COORD. SUPERF. E	FECHA HORA	PROFUNDIDAD TOTAL ESTIMADA (ft)	MESA ROTARIA (ft)
PTX-9411	JUSEPIN	ZIM-999 ESTRATIGRAFICO	43.32791953347623	1.956693847835064	11/03/2019 13:36:18	21000	650
OPERADORA	PROFUNDIDAD MD (ft)	PROFUNDIDAD TVD (ft)	PROFUNDIDAD DE LA MECHA (ft)	ACTIVIDAD	R.O.P. Instantánea (ft/ hora)	R.O.P. Promedio (ft/ hora)	
HALLBURTON	19510	19509.46	18100	PERFORANDO	325.17	0.08	HALLBURTON MECHA TRICONICA
PESO DE LA SARTA (klbs)	PESO DE LA MECHA (klbs)	TORQUE (amp.)	R.P.M. (r.p.m.)	POCISON DEL BLOQUE (ft)	CONDUCTIVIDAD	HORAS ROTANDO (hrs)	HORAS CIRCULANDO (hrs)
600.9	1476.15	17.61	1234.8	1901.57	6.13	1	1
PESO DEL LODO ENTRANDO (lpg)	PESO DEL LODO SALIENDO (lpg)	TEMPERATURA ENTRANDO (°F)	TEMPERATURA SALIENDO (°F)	FLUJO (%)	GALONAJE (bls)	PRESION DE BOMBA (psi)	
65	87	78	124	13	8400	200.6	
GANANCIA PERDIDA (bls)	VOLUMEN TOTAL (bls)	STOKES (stks)	LAG-TIEMPO (min)	LAG PROFUNDIDAD (ft)	TOTAL GAS (Unid.)	PRESION DE CASING (psi)	
		39	5.16	6.19	106	6900	
	BOMBA Nro. 3 (spm)	TOTAL BOMBAS (spm)					
	300	900					



We provide comprehensive solutions (expert systems) for processes of: Drilling, Production, Well Evaluation, Analysis and Econometric Feasibility Studies, as well as for the management and predictive maintenance of drilling equipment. On the other hand, we have assisted Recovery Fluids using nanotechnology.

Business Units Procurement of Materials & Equipment



National and International Attorney:

- BCP pumps
- Variable frequency
- Well heads
- Gas compressors
- Suction rods



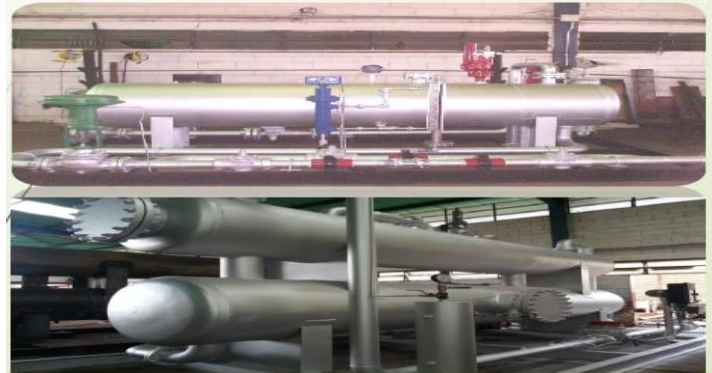
- Valves
- Actuators (Electric, hydraulic and pneumatic).
- Bearings
- Mechanical connections (flanges, elbows, T, reductions).

Business Units Specialized Services Metal Constructions



- Well testing equipment
- Gas separators - Oil - Water (Three phase)
- Oil Processing
- Tanks for washing and storage in general (API Standards)
- Furnaces and oil heaters
- Manufacture and repair of flanges and well heads.

EQUIPO PARA PRUEBA DE POZOS
(WELL TESTING)



Separador Doble de 20.000 Bls



Calentador Indirecto



Calentador Directo



- Indirect oil heaters
- Treaters - Condensers - Steam generators
- Filters and plants for water treatment
- Steam cooking tanks (Cooker)
- Autoclave tanks (steam sterilizers)
- Heat exchangers
- Maintenance, Repair and Alignment of Pumps and Motors.
- Repair and Calibration of Valves and Accessories.

- Integral Solutions for Water Treatment Systems.
- Integral Solutions for Valves.
- Heat Exchangers and Pressure Vessels.



- Continuous monitoring of installed applications.
- Technical Support on Site.
- Supply of spare parts systems and spare parts kit.

Business Unit Specialized Services



- Real-time monitoring of wells in drilling and production.
- Pump repair Manufacture of filters and joints.
- Manufacturing of parts in workshop.



- Rental of lifting equipment.
- Rental of high vacuum equipment.
- Drilling motor service.
- Integral services to oil wells.
- Freight transport and heavy equipment (batting, lowboys, tippers)

- Pipeline Chemical Cleaning and Pumping Services for pipeline Cleaning, Neutralization, and Decontamination for when pipeline is going to be used for product change or abandonment.



- What is a Turbine/Compressor Oil Flush?
- After setting the system up for a high velocity flush by removing all restrictions to flow (using an external flush pump and filter) oil will be flushed through the lube oil system at approximately 3-6 times its normal flow rate. This high volume of oil will remove scale and particulate from the piping and flush it back to the main oil reservoir where it will be filtered.

- Our Hydrotesting Services are a single Full package which includes:
- Engineering, Specialized personnel, high volume pumping capability for flooding (120 BPM), High Pressure testing Equipment (0-10,000 PSI), Dewatering and Cleaning Pipeline in one single pass (Surfactant-Mechanical Pigs-Gel Pigs - Debris Picked-up Agents) Train Method, and pipeline drying.
- Cleaning Pipeline in one single pass (Surfactant-Mechanical Pigs-Gel Pigs-Debris Picked-up Agents) Train Method, and pipeline drying.



- Applications for Nitrogen
- Nitrogen purging,
- Helium leak testing,
- Nitrogen pigging,
- Nitrogen drying,
- Nitrogen pressure testing,
- Nitrogen high- velocity flushing,
- Nitrogen Purging
- Industry standard technique for the replacement of a hazardous atmosphere with an inert dry atmosphere.



- Flooding, cleaning and gauging,
- Hydrostatic testing,
- Pipeline decommissioning Abandonment,
- Dewatering,
- Drying and conditioning air,
- Vacuum or chemical swabbing,
- Nitrogen inerting and packing,
- Gels and mechanical pigging,
- Chemical cleaning,
- Bundle/pipe-in-pipe insulation.



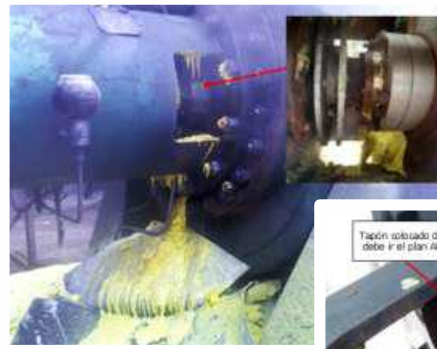
Our Experience

Operation and maintenance

1

**PETROCEDENO (PDVSA)
JOSE - VENEZUELA.
SOLID MANAGEMENT
ZONE**

Equipment 08P6001: Liquid sulfur export pump. METAX sealing technology implementation with an internal configuration to show the temperature inside the sealing system and guarantee its continuous monitoring.



2

PETROPIAR (PDVSA) JOSE - VENEZUELA. SOLID MANAGEMENT ZONE

PETROPIAR (PDVSA) JOSE – VENEZUELA

Equipment 61-P-001A / B Crude Oil Charge Pump. Implementation of the METAX technology sealing system, which guarantees a positive pressure in the inner chamber of the mechanical seal by injecting a fluid under a high pressure barrier. In addition, with a robust design and exceptional finish of the flange joint, which provide high reliability during handling and installation.



3

TOTAL LEUNA COMPANY- GERMANY

Units 663/661, Heat Exchangers
General maintenance of twelve (12) tube / shell type heat exchangers, which consisted of deep cleaning of the tube bundles and ensuring their continuous monitoring.



4

TAMOIL COLLOMBEY-SWITZERLAND

Units 7501-7502, Heat Exchangers
General maintenance of twelve (12) tube / shell type heat exchangers, which consisted of deep cleaning of the tube bundles.



5

PDVSA EAST DIVISION

PDVSA, PUNTA DE MATA MONAGAS-VENEZUELA

Installation and commissioning of the real-time drilling operation monitoring room, located in the ESUE building. During the time we were providing the service with our suite of applications in Drilling Engineering, Geomechanics, Reservoirs, and Rock Mechanics, we managed to reduce operational uncertainty by 28%. Likewise, our team of advisors provided the service in a comprehensive manner under the regime of guards, which guaranteed the client to have studies, simulations and alerts early (SIENRIG-RTREAL) in order to reduce the waiting times associated with taking Critical operational decisions. On the other hand we demonstrate the flexibility of our systems by integrating our data with the models of other platforms.



6

VACA MUERTA

YPF, VACA MUERTA-ARGENTINA

A pilot test of the RtReal system for the client in the Vaca Muerta Field was executed for a period of 20 days. During the duration of this test, the benefits of our system were verified, highlighting for YPF the portability of said information through its mobile version as well as the integration with the data models of other software's used.





Our Clients



FAVE
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