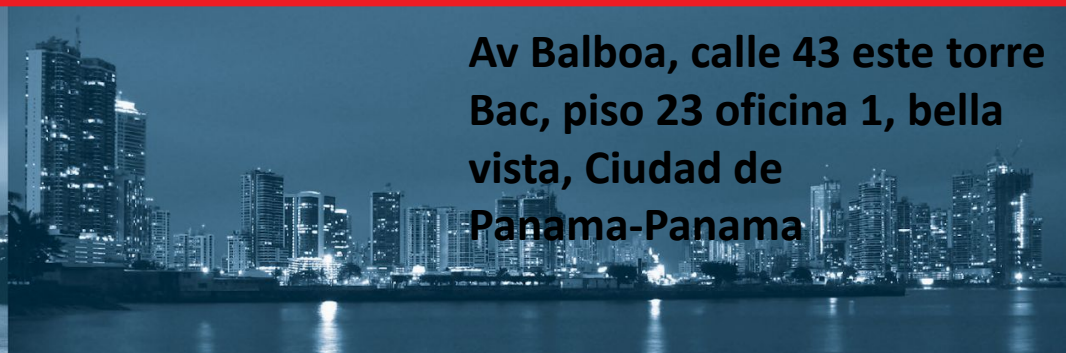




KAPLAN INDUSTRY VENEZUELA



Av Balboa, calle 43 este torre
Bac, piso 23 oficina 1, bella
vista, Ciudad de
Panama-Panama



KAPLAN INDUSTRY VENEZUELA

Is a leading independent international development consultancy and contractor specialized in underwater services engineering, construction, geophysical and geotechnical studies, pipeline stabilization.

Maintenance and repair, cable installation, pipeline and cable treaching, and DEVELOPMENT OF URBAN – CIVIL AND INDUSTRIAL CONSTRUCTIONS.

With our headquarters in Panama, we have a long history of working with the Government and the National Oil and Gas Company, PDVSA, in Venezuela.

Our main goal is to help our customers around the world achieve the Millennium Development Goals.

Our operations in South America will continue to be in areas directly related to infrastructure, oil exploration for offshore development and production



KAPLAN INDUSTRY VENEZUELA

We have established alliances with companies that provide us with underwater engineering, underwater construction, underwater inspection and repair and maintenance services on the oil and gas coasts.

Our company offers geophysical and geotechnical studies, umbilical installation, installation of underwater structures, ground support activities, pipeline services, pipeline stabilization and underwater work in general with divers and ROV intervention technologies.

With operations in the Middle East, India, Southeast Asia, the Caribbean, Gulf of Mexico, Tunisia, Venezuela, Bahrain, Singapore, Korea, Saudi Arabia, Oman, Kuwait and the United States



KAPLAN INDUSTRY VENEZUELA

- **More than 300 people strong organization including 62 managerial, technical and clerical staff occupying an office space of over 2500sqm, split in 3 floors at Al Borj Tower In Sharjah.**
- **An independent yard area of approximately 8000sqm at Port Khalid, SPA, a stone throw from *Alamar* office.**
- **An incomparable expertise and internal resources to carry out all types of subsea projects.**
- **A presence in 12 countries, on 5 Continents.**



KAPLAN KNOW-HOW & EXPERTISE

**Towards
Excellence**



What are kaplan technical competences ?



**What are the best achievements
and the future challenges ?**



**Why Clients are choosing kaplan
to guarantee success in the
performance ?**



MAIN SPHERES of SUBSEA ACTIVITIES

- * Pipeline Stabilization & Protection Works
- * Off-loading & Mooring Systems
- * Pipeline Connection
- * Offshore Platforms & Related Works
- * Shore Approach & Coastal Works
- * Pipeline & Cable Installation
- * Engineering Services
- * ROV Survey & Positioning
- * Pipeline Integrity Services
- * Diving Services



SPOOL INSTALLATION





GROUTING SPREAD





PIPELINE PROTECTION ARTICULATED MATRESS





TRENCHING ACTIVITIES



TRENCHER AT WORK



TRENCHER WITH CUTTER AT WORK



CABLE INSTALLATION & REPAIR



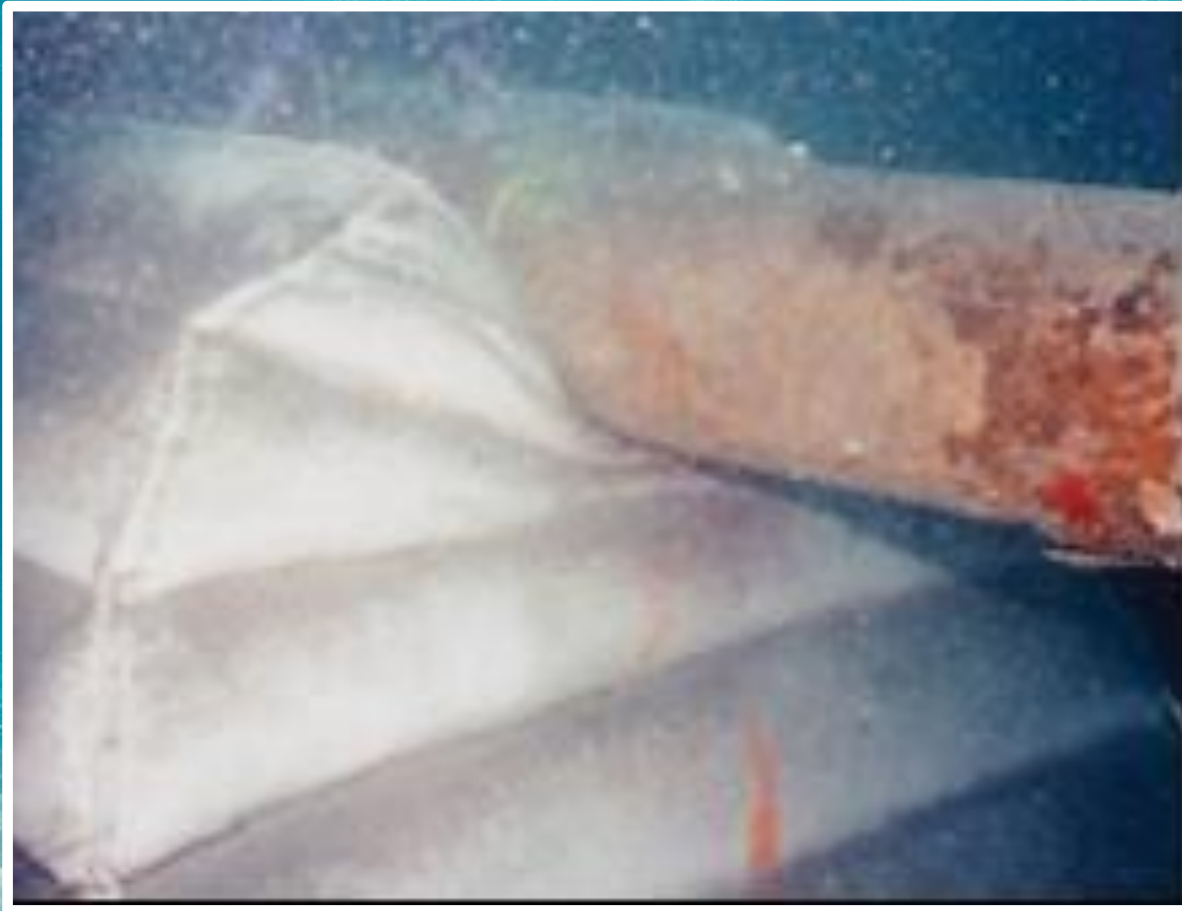
CABLE EXITING J TUBE AT SEABED



CABLE IN TRENCH CUT AT SEABED



PIPELINE STABILIZATION



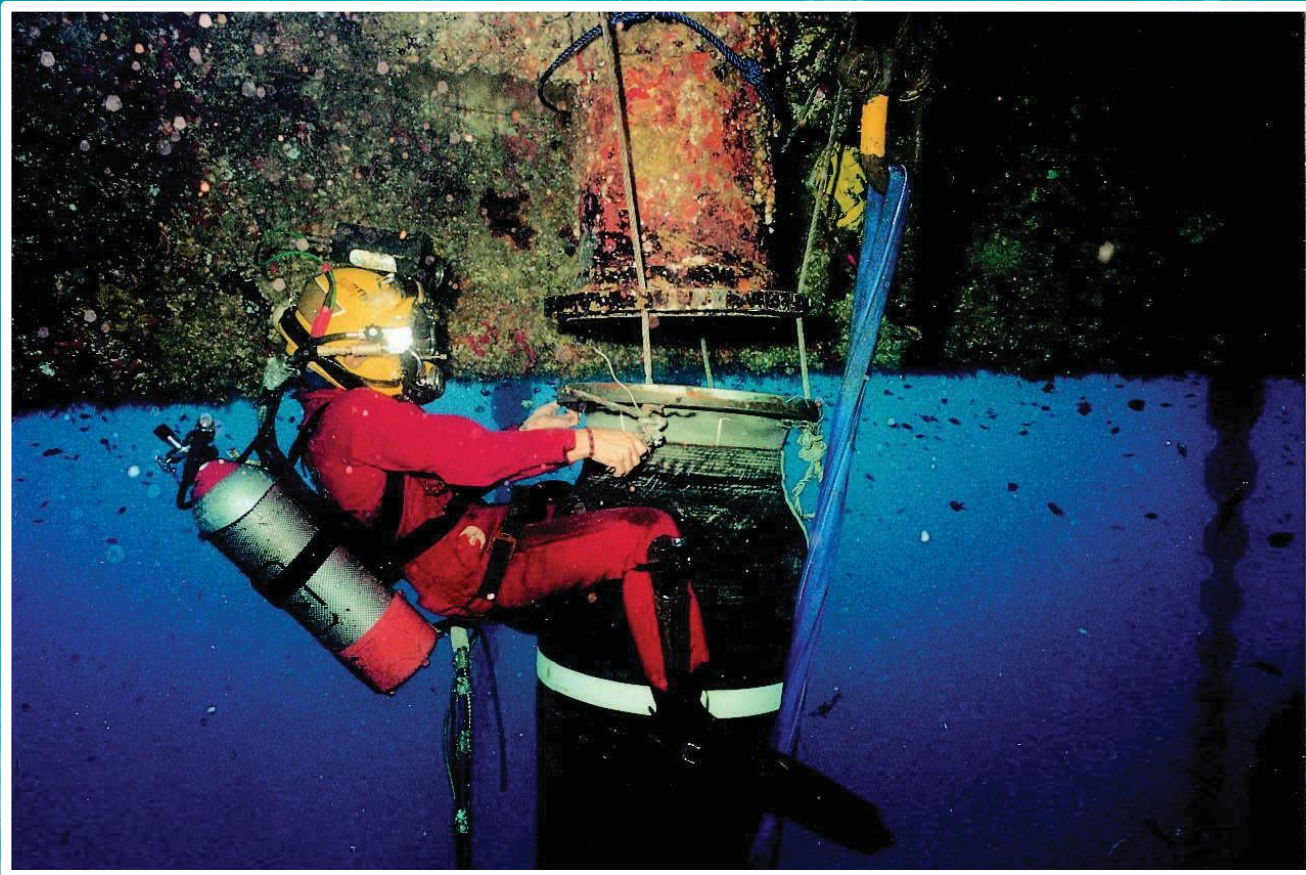


INSPECTION & REPAIR SBM/SPM's



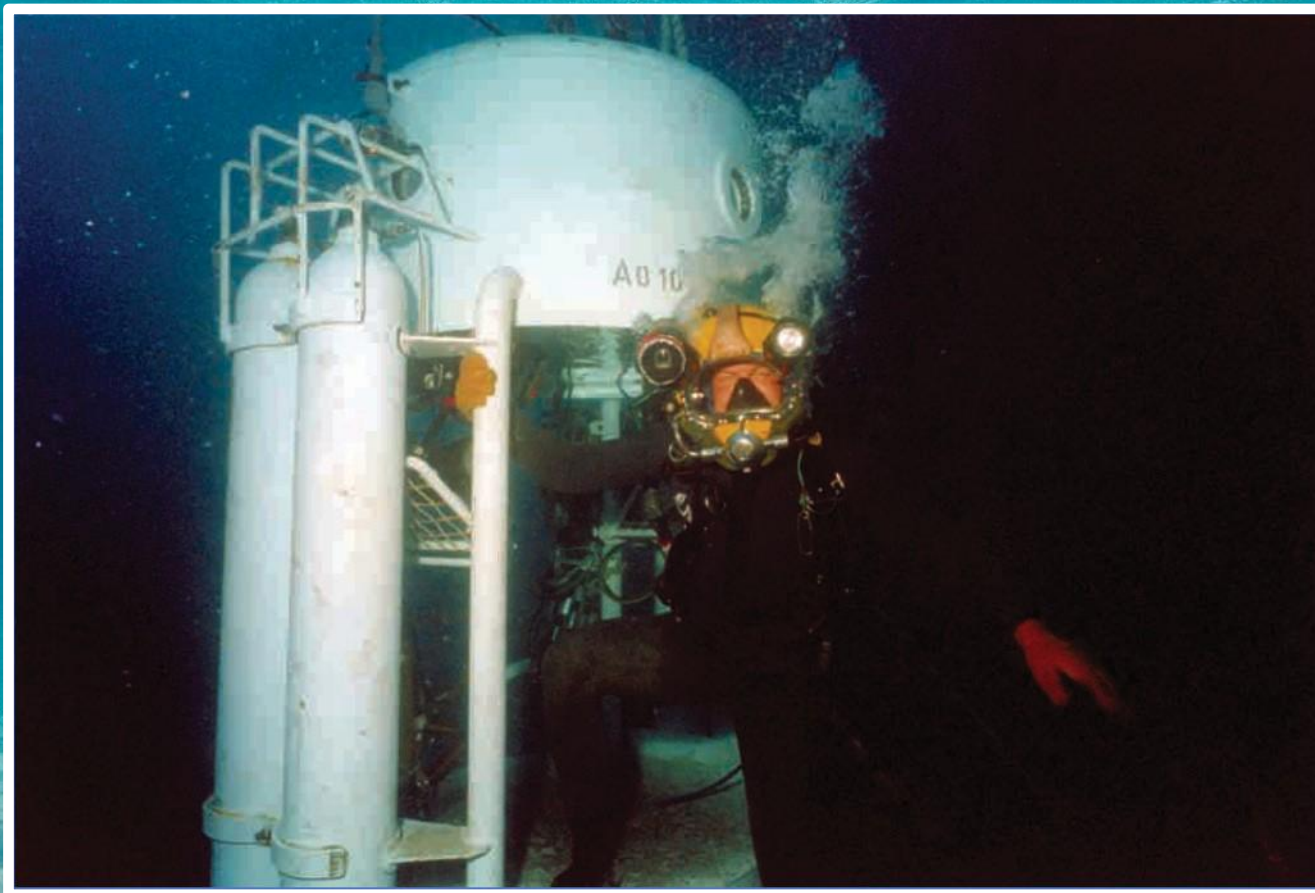


SBM SUBSEA STRING INSTALLATION



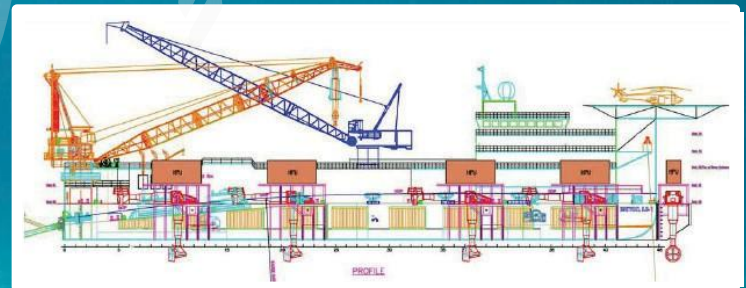


AIR DIVER BEING LOWERED INTO THE WATER





KAPLAN FLEET





DP2 DSV “FALCON”



- * **Hydralift cranes, 1x 30T (port midship)
1x 2T (stbd stern)**
- * **Saturation System: 9-men Draeger
with 3-man bell**
- * **Moonpool: 6.13m x 4.15m working
Diving bell 2.60m diameter**
- * **73 bunks (in-built), distributed in 32
cabins**

- * **Built on 1975 by Martin Jensen Ostfriesland
Germany, upgraded in 2003 and 2004**
- * **Panama flag, DNV Class (DNV +1A1 Supply
Vessel SF DSV III DYNPOS-AUTR ICE-1C)**
- * **DP System: Kongsberg Simrad SDP521 dual**
- * **LOA: 84.53m, Beam: 16.01m, Draft: 4.37m**
- * **DWT: 1310mt, GRT: 2645mt**
- * **Main Engines: 4x Hedemora V18A / 2060Hp**
- * **Thrusters: 2x Brunvoll 736kw ea (bow & stern)**
- * **Helideck 17.5m dia, CAP 437**





DP2 ROV/DSV “EAGLE”



- * Built on 1975 by Kaarbos Mek Versted A/S Harstad Norway, Upgraded to DP2 in 1999 at Gdynia, Poland
- * Panama flag, RINA Class (RINA 100 A1.1 Nav.IL-Re-Ap (pl) – IPD2)
- * DP System: Kongsberg Simrad SDP21
- * LOA 63.61m, Beam 13.4m, Draft 5.75m
- * DWT: 1000mt, GRT: 1598mt

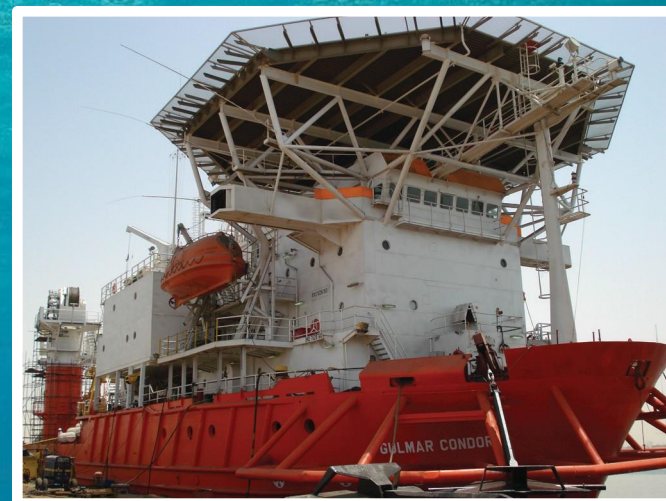
- * Main Engines: 2x MAK 453 AK 2100bhp each
- * Thrusters: 2x 500bhp each (bow & stern)
- * Nautilus crane 1x 15T, Hydralift crane 1x 2.5T
- * Air/Mixed Diving System
- * Moonpool: 1x 2.5m x 3.0m w/ 1x hydraulically operated bottom & sliding door
- * 57 bunks, distributed in 31 cabins



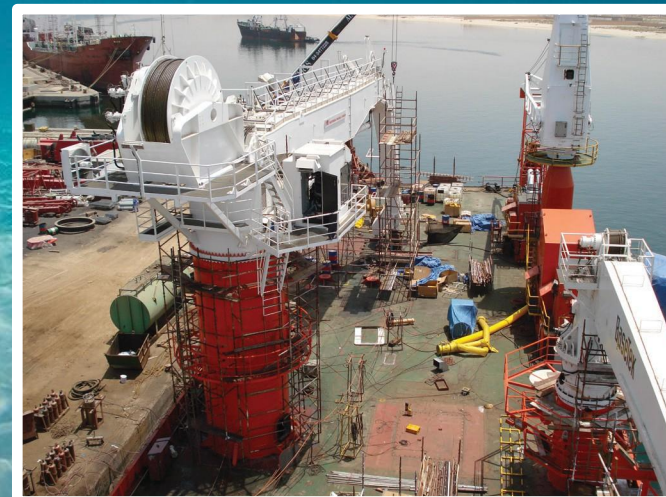


DP2 DSV “CONDOR”

- * Built on 1978 by Far East Livingstone Shipyard in Singapore, reconstructed in 2002, Poland
- * Panama flag, RINA Class (RINA C Maltese Cross Supply Vessel, Special Service (Research Ship) Dynpos AM/AT AR, ELI Unrestricted Navigation
- * DP System: Simrad SDP21 full redundancy
- * LOA 104m, Beam 20.90m, Draft 5.30m
- * DWT 4500mt, GRT 4070mt
- * Main Engines: 2x 1500hp Wichmann 5AX 375rpm
- * Bow Thrusters: 2x 800hp Brunvoll Tunnel, 1x 1000hp Brunvoll Tunnel
- * Stern Thrusters: 2x 2000hp Azimuth, 1x 800hp Brunvoll Tunnel
- * Helideck 20.1m diameter
- * AHC knuckle boom crane 120T, Hydralift 38T and Liebherr crane 10T
- * Saturation System: 12-men with w/ 3-man bell
- * Moonpool: 7.60m x 6.10m
- * 128 bunks, fully air-conditioned



Under upgrade April 2007





DP2 CLASS CABLE SHIP ROV SUPPORT /OCEANOGRAPHIC / ACCOMMODATION VESSEL “BADARO”

- * Built on 1992 by Keppel Fels Ltd. Singapore
- * Korean Register Cable Ship, ABS (under process)
ABS +A1 (E), AMS, +ACCU DP2
- * Marshall Islands (under process)
- * DP System: Kongsberg SDP 201
- * LOA 145.66m, Beam 21.60m, Draft 7.8m
- * DWT 8396mt, GRT 12,518mt
- * Main Engines: 3x 9R23D Wartsila, 2900kW each



- * Bow Thrusters: 2x 1970bhp tunnel
- * Stern Thrusters: 2x 4155bhp azimuthing
- * Helideck 21m dia, CAP 437 for 12T Helicopter
- * 80T Manitowoc crane 150 , Hydralift 10T & 5T
- * Cable Lay Facilities (bow & stern laying)
- * ROV Support Subsea Equipment
- * 238 bunks (in-built), distributed in 87 cabins



“ATLANTIS” & “DA VINCI”

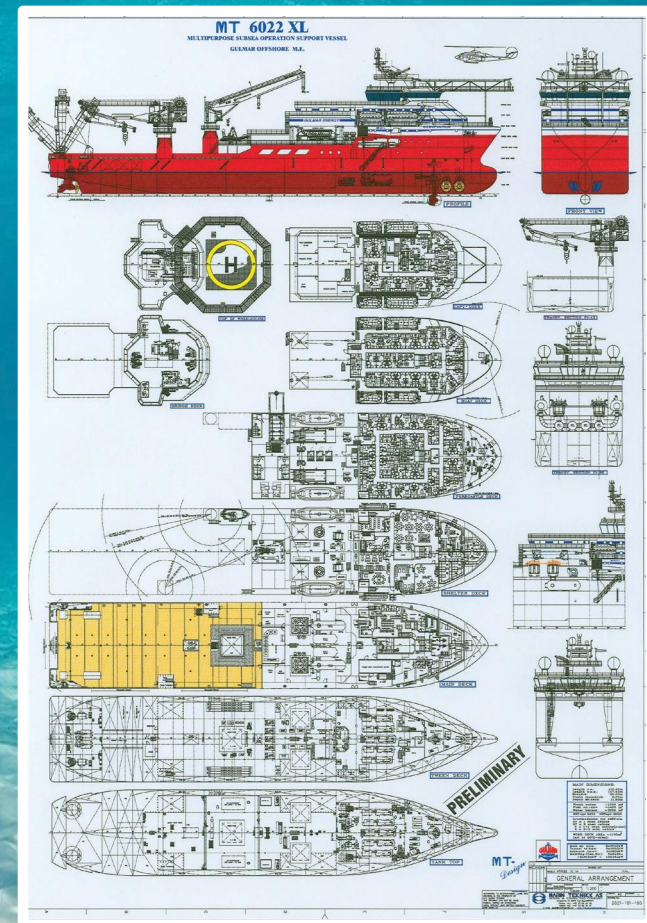


- * **Under construction at Hanjin Heavy Industries in Korea**
- * **Panama flag, DNV Class (DNV +1A1 SF, E0, DYNPOS AUTR DK(+) , HELDK-SH, CLEAN COMF-V**
- * **DP System: Kongsberg Maritime SDP21**
- * **LOA 115.40m, Beam 22.0m, Draft 7.15m**
- * **GRT 6200mt, Cargo Deck space 1120sqm**



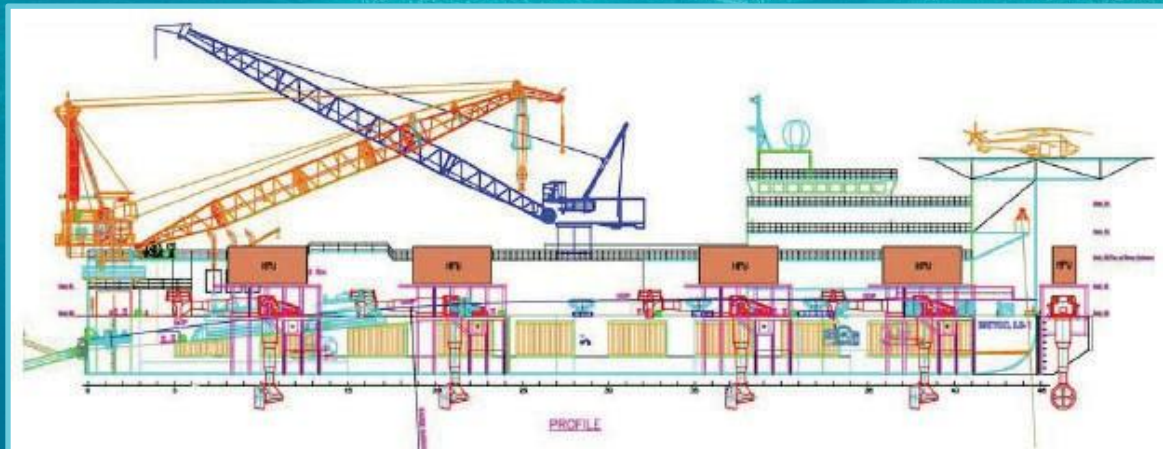
“ATLANTIS” & “DA VINCI”

- * **Main Propulsion:** 3x 2640kW ea, 2x 1980kW ea
- * **Bow Thrusters:** 2x 1935kW tunnel, 1x retractable 1500kW azimuth thruster
- * **Stern Thrusters:** 2x 3000W azimuth thrusters
- * **Helideck** 21m diameter, Sikorsky N92 or equal
- * **140T AHC crane** heave compensated, 40T aux 1T provision, 80T A-Frame (optional)
- * **FIFI II system:** 2x pumps w/ 3600m³/hr each
- * **Saturation System:** 18-men twin bell system
- * **Moonpool:** 2x (4.96m x 4.6m) bell, 1x (5m x 5m, including baffles) working
- * **120 bunks accommodation**





“PELICAN”



- * **New built, Britoil Batam**
- * **Panama Flag, ABS Class (ABS +A1 Pipe Lay Barge DP2 HELDK-S)**
- * **DP System: Kongsberg K-POS DP-22**
- * **LOA 98.6m (incl. stinger), Beam 30.5m, Draft 3.136m (summer)**
- * **Main Propulsion: 6x Thrustmaster OD2000N each $\approx$ 1500kW**
- * **160T Favco PC150 stinger crane, 75T crawler crane**
- * **Mooring winches, CCTV, Pipe Tensioners, Davits**
- * **235 bunks with full HVAC & Satellite TV system**



PIPELINE SERVICES

*** Pipeline Pre-commissioning – Oil – Gas- Onshore & Offshore
Including:**

- 1) Flooding, Cleaning, Gauging, Caliper survey**
- 2) Hydrotesting**
- 3) Dewatering**
- 4) Drying – Air drying- Vacuum Drying**
- 5) Nitrogen Purging**

- * Pipeline Commissioning – Oil – Gas**
- * Chemical Cleaning – Plant**
- * Leak Testing**
- * Pipeline Maintenance**
- * Pipeline Rehabilitation**
- * Pipeline Inspection**
- * Pipeline De-commissioning**



PIPELINE MAINTENANCE SERVICES

MAINTENANCE
OF
INSTALLATION
STATIONS
BLOCK
VALVES &
ESD VALVES

PIPELINE
REPAIR HOT
TAPPING
WELDED SLEEVING
BOLTED
SLEEVING
EPOXY
GROUTED
SLEEVING

INTELLIGENT
PIGGING CALIPER
SURVEYS MANUAL
ULTRASONIC
TESTING
AUTOMATED
ULTRASONIC
MAPPING
HYDROSTATIC
TESTING

PIPELINE MAINTENANCE SERVICES

PIPELINE
PIGGING
OPERATIONS
& PIG
MAINTENANCE OF
SCRAPER LAUNCHERS
RECEIVERS and
RELATED
EQUIPMENT
COMMISSIONING
DECOMMISSIONING
MOTHBALLING
SUSPENSION

CATHODIC
PROTECTION
MONITORING
&
EQUIPMENT
PRODUCT
MAINTENANCE
ANALYSIS
&
CORROSIVITY
MEASUREMENT

CIPS & DCVG

REHABILITATION
PIPE
COATING
REMOVAL
GRIT
EXCAVATION
PIPE SANDING &
BACKFILLING
RIGHT OF
WAY
MAINTENANCE &
SURVEYS

INSTALLATION OF
COSASCO ACCESS
FITTINGS
CORROSION
MONITORING
COUPONS AND
INTEGRATION
RETRIEVAL &
ANALYSIS
SPECIALIST
MANPOWER



A THREE-HEADED MARKETING STRATEGY

“Presence, Communication, Achievement ”

By Developing KAPLAN INDUSTRY VENEZUELA notoriety with a Presence where the business is .. !

By Conquering new clients through contacts and all round Communication promoting company's competences and achievements.

By rallying new clients and securing contracts in search of new Achievements always to the satisfaction of the Clients.



UNDER IMPLEMENTATION

ISO

29001:2003

**Petroleum, petrochemicals and
natural gas industries – Sector
specific quality management
system – Requirements
for product and service
supply**



KAPLAN TREND'S

HIGHLIGHTS OF QHSE POLICY

- ✓ **Work towards Zero Injury**
- ✓ **Take proactive measures for reducing and**
- ✓ **eliminating risks Abide by all applicable**
- ✓ **legislations**
- ✓ **Upgrade skills and knowledge of**
- ✓ **Co-workers Work towards Zero**
- ✓ **Pollution**
- ✓ **Protect our workforce, subcontractors and**
- ✓ **visitors Protect our Equipments and**
- ✓ **Assets of our clients Reduce "Cost of Loss"**
- ✓ **to "Cost of Operations" Adhere to**
- ✓ **company Drug and Alcohol Policy Always**
- ✓ **report Incident / Near Miss**
- ✓ **Exceed Customer expectation by reducing**



KAPLAN TREND'S

KAPLAN achievements and main objectives towards

- ▶ Incorporation of New Corporate Partners in capital to meet **KAPLAN** ambitious objectives in a buoyant market.
- ▶ Increase the fleet to 4 DP2 DSVs and firm order for 2 new generation DP2 DSVs "Atlantis" & "Da Vinci" (MSVs) with plan for another 2 units to allow company's efficiency and independency.
- ▶ Implementation of new representations and / or partnerships to the 12 existing geographical Areas covering the oil & gas activities on the 5 continents
- ▶ Construction of a Regional Hyperbaric / Diving Training center and **KAPLAN** headquarters.



REGIONAL HYPERBARIC & DIVING TRAINING CENTER

**In partnership with Dubai
Authorities And
CONSTRUCTION OF KAPLAN HEADQUARTERS**

DUBAI HYPERBARIC CENTER

- **Professional diving center for training regional saturation divers / technicians**
- **and medics. Training of UAE Navy elite officers for underwater interventions**
- **/ missions.**

Medical assistance to regional hospitals and clinics for Hyperbaric medical treatments, oxygeno-therapy & pressurized confinement, treatment for depressurization accidents

KAPLAN GROUP HEADQUARTERS

Construction of KAPLAN Group Headquarters and centralization of regional branches.



HYDRAULICS

DREDGING

Dredging: Docks, rivers, lagoons, canals and reservoirs

construction of breakwaters

Construction and maintenance of dikes

CPI for hydraulic works in general





VOLTA



Volta TECHNOLOGY focused on the commercialization, representation, transfer, expansion and application of innovative and advanced technologies.

Our contacts, partners and strategic allies in the 5 continents allow us to globalize cutting-edge technologies that are quickly implemented and used in industrialized countries.

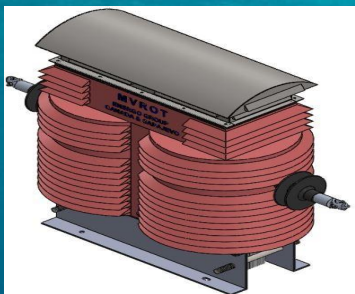
Our platform and physical and human infrastructure is ready to quickly execute the next step in the transfer processes to any of our clients.

Technology demonstration project, we have units ready in any of your references to be tested in the chosen area and region. We also have measurement equipment and expert engineering in the study, design and installation of our equipment.



VOLTA

INTRODUCING FOR VENEZUELA



MVROT Regulator and optimizer equipment for medium voltages, adaptable to any type of distribution network, Considerable reducer of energy losses thanks to an innovative technology that combines specific instrumentation.



VROT This unit with similar characteristics to the previous one, but For low voltage networks, it can transfer maximum power to the entire load line, acting as a great alternative and solution to minimize losses in final, aerial, terrestrial or underground distribution stages.



VTOP Transformer designed to work in the voltages means, power lines re-closer mechanism, disconnectors, and automated equipment, built with technology for high efficiency work, limiting over-voltages, peaks, preventing power drops.



VOLTA (ACTIVE EQUIPMENT CURRENTLY OPERATING)





VOLTA

BENEFITS OF MVROT

Reduce losses (to only 4%) throughout the distribution network.

Importance and Plus Feature

In the already known 10% loss of energy in the distribution, after the implementation of our MVROT system, these energy losses will be reduced to only 4.0%. MVROT pays for itself in a short period of time.

The result will be a greater portion of electrical energy available for delivery and billing over medium or long distances from the network that provides final consumers.



Besides:

- Stabilizes, regulates and increases voltage quality
- + Locate accidental or caused losses and accurately report the GPS coordinate.

High Intermittency / Improves Latent Energy in distribution lines. (extra Protection on existing equipment)



VOLTA

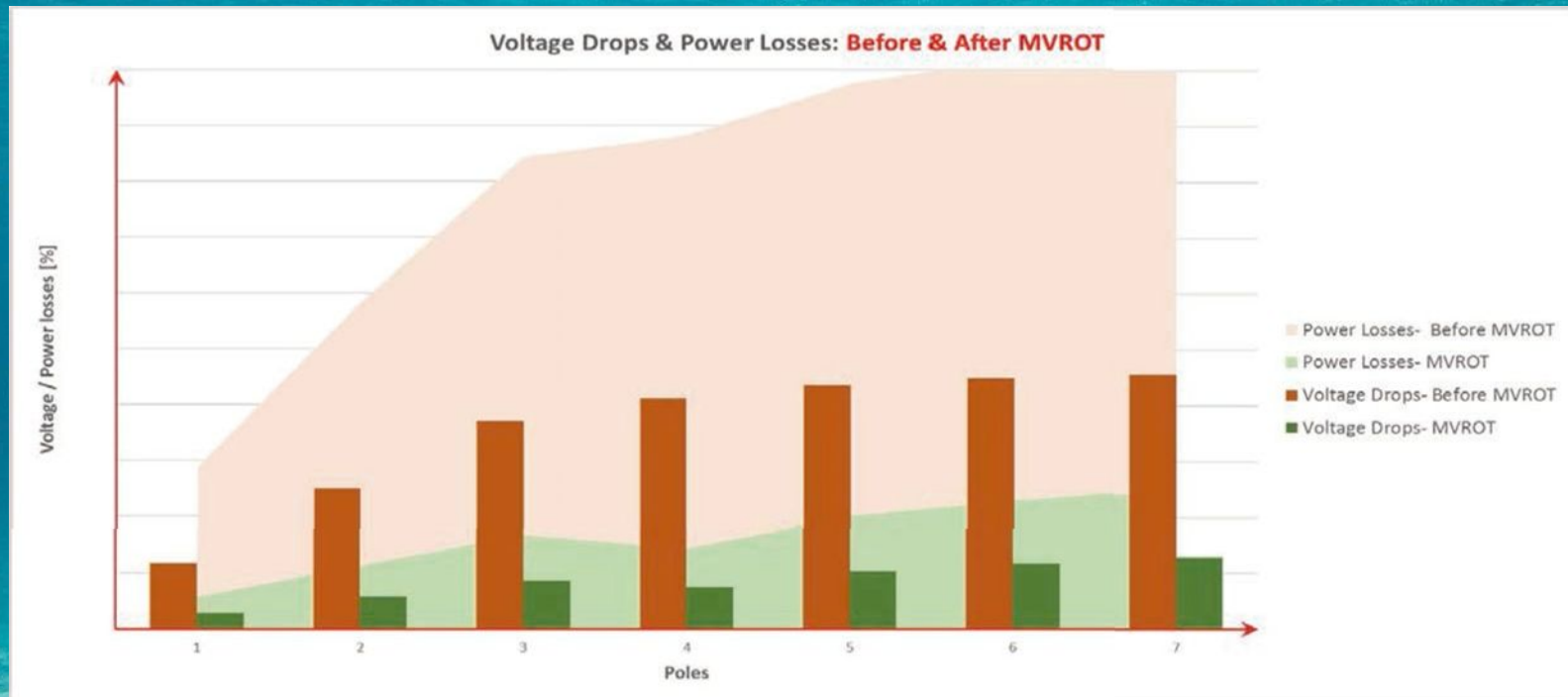
COMPLEMENTARY BENEFITS

- Acts as a harmonic filter
- Best symmetrical load scale
- No neutral line current on primary side
- Available with support for extreme conditions
- Complement with SCADA system, provides current location data
- Increases the life cycle in substations
- Does not require maintenance and easy installation.
- Environmentally friendly Does not emit carcinogenic materials
- Return on investment between 3 - 4 years



VOLTA

Voltage Drop and Power Losses Comparison





URBAN - INDUSTRIAL DEVELOPMENT AND CONSTRUCTIONS

We provide comprehensive engineering and construction services to provide effective solutions to the needs of our clients.



WE BUILD INDUSTRIAL STRUCTURES DESIGNED TO THE NEEDS OF OUR CUSTOMERS





URBAN - INDUSTRIAL DEVELOPMENT AND CONSTRUCTIONS



Development of transport routes that connects two or more places, allowing the transit of vehicles and people. Today's roads are built with a mixture of bitumen or pavement and stones in different sizes.





URBAN - INDUSTRIAL DEVELOPMENT AND CONSTRUCTIONS

**WE HAVE A HIGHLY QUALIFIED TEAM
OF ENGINEERS AND ARCHITECTS
WITH WIDE EXPERIENCE AND
PROFESSIONALISM**





URBAN - INDUSTRIAL DEVELOPMENT AND CONSTRUCTIONS



**Prefabricated houses
using top quality
materials**

- Concrete**
- Steel**
- PVC**
- Wood**
- Concrete**





PRODUCTS SUPPLIES

**IN KAPLAN INDUTRY VENEZUELA, WE
HAVE MORE THAN 20 YEARS OF
EXPERIENCE IN IMPORT AND SUPPLY
FROM DIFFERENT COUNTRIES
THE FOLLOWING PRODUCTS**

- **CONSTRUCTION PRODUCTS AND MATERIALS**
- **ELECTRIAL PRODUCTS**
- **SAFE SECURITY PRODUCTS**
- **SUPPLY FOR HOSPITALS AND CLINICS**
- **GOVERNMENT PRODUCTS**



PRODUCTS SUPPLIES





SOCIAL WORK FOR COMUNITY

At KAPLAN INDUSTRY VENEZUELA, Social Responsibility is part of the values and strategic plans of the company. Since our beginnings, we have given visible signs of concern for actively and voluntarily contributing to the social, economic and environmental improvement of the communities that are part of our areas of influence.

