

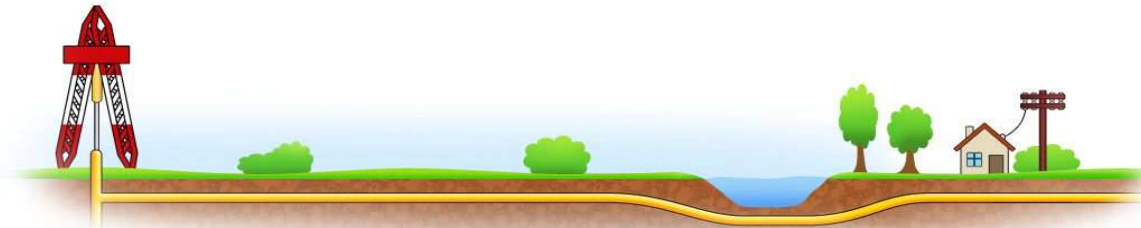


STRIVING FOR EXCELLENCE

2015



WHO WE ARE?



- **Dafora** - performs onshore drilling services for oil, gas & geothermal water, long international drilling experience.
- **Condmag** - the best pipeline contractor in Romania specialized in the construction of gas, oil and water main pipelines and related technological facilities.
- **Transgex** - the best company performing survey, exploration and exploitation jobs for geothermal waters in Romania.



- The leader in the Romanian drilling market, with a long international experience in onshore drilling services for oil & gas and geothermal water wells.
- Our activity is performed in compliance with the **Integrated Management System for Quality and Environment** (ISO 9001 and ISO 14001).
- **Member of the I.A.D.C.**
- **Listed on the Bucharest Stock Exchange**, under symbol 'DAFR'.





SHORT HISTORY

- Our drilling activity started in 1907 while searching for potassium salts in Transylvania. In 1909 natural gas was discovered with the 2 Sarmasel well at a depth of 302 m.
- This fact allowed public illumination with gas lamps in Bucharest, for the first time in Europe, in 1918.
- The well spud in 1934 in Copsa Mica (Transylvania) marked the beginning of an intense drilling activity.
- The main activity at the time developed intensively. The company achieved wells for foreign operators in Romania and became a well known drilling company in Romania.





Drilling & workover operations

Dafora can carry out **successful drilling programs in onshore oil and gas exploration, development, high production deep water wells, groundwater resource investigations and development.**

➤ Dafora owns a diversified rig fleet capable of **drilling** wells with a depth up to 8.500 m. In addition to the classic rigs, we have a group of modern rigs fitted with Top Drive systems, complying with API standards.

➤ For **workover operations** we have the ability and experience to provide full range of regular repairs and maintenance in order to enhance or restore well production. We have the capability to run and cement production casing / liner, side tracking, plug back, drill out cement plugs, set / unset packers, run and retrieve tubing string.

Type	Drilling depth (with 4 1/2" DP)		Hook Load		Drawworks Type / HP	Power	Mud pumps (number) /Type / HP	Top Drive
	m	feet	mT	lbs				
F 100-DH	2,300	7,550	100	224,000	TF15 - 800 HP	Diesel 2 x MB836 - 400 HP each	(2) 2PN700 - 700 HP	-
F 100-DH	2,300	7,550	100	224,000	TF15 - 800 HP	Diesel 2 x MB836 - 400 HP each	(2) 2PN700 - 700 HP	-
F 100-DH CAT	2,300	7,550	100	224,000	TF15 - 850 HP	Diesel 2 x CAT3406 - 540 HP each	(2) 2PN700 - 700 HP	-
F 125-DEC	2,800	9,200	125	280,000	TF20 - 1360 HP	Diesel Electric 2 x Generator CAT1750 kVA	(2) 2PN700 Ec - 700 HP	-
F 125-2DH	2,800	9,200	125	280,000	TF20 - 1360 HP	Diesel 2 x MB820 - 890 HP each	(2) 2PN700 - 700 HP	-
F 200- 2DH7	4,000	13,200	200	448,000	TF25 - 1600 HP	Diesel 2 x MB820 - 890 HP each	(2) 2PN700 700 HP	-
F 200- 2DH7	4,000	13,200	200	448,000	TF25 - 1600 HP	Diesel 2 x MB 820 - 890 HP each	(2) 3PN1300 -1300 HP	-
F 200-DEC	4,000	13,200	200	448,000	TF25 - 1600 HP	Diesel Electric 2 x Generator CAT1750 kVA	(2) 2PN1300 -1300 HP	-
MR8000	3700	12,139	200	448,000	Drillmec - 1080 HP	Diesel 2 x CAT C15 - 540 HP each	(3) 9T1000 - 1000 HP	Drillmec 220 tons 400 HP Hydraulic
F320-EC	6,000	19,700	320	716,800	TF38 - 2300 HP	Electric 2 x MCF850kW	(2) 3PN1300 - 1600 HP	Tesco 500 tons 750 HP Hydraulic
F320-3DH	6,000	19,700	320	716,800	TF38 - 2300 HP	Diesel 3 x MB820 - 890 HP each	(2) 3PN1300 - 1300 HP	-
Bentec 350-t AC	6,000	19,700	350	784,000	Bentec E 1500 AC - 1500 HP	Diesel Electric 3 x Generator CAT 3512 Land Rig1750 kVA	(3) EWECO E1600 triplex pumps 1600 HP	VARCO 500 tons 800 HP Electric
F400-DEC	7,000	23,000	400	896,000	TF44 - 3000 HP	Diesel Electric 3 x Generators CAT3512 Land Rig 1750 kVA	(2) 3PN1300 - 1300 HP (1) 3PN1000L	TESCO 500 tons 1205 HP Hydraulic
F400-DEC	7,000	23,000	400	896,000	TF44 - 3000 HP	Diesel Electric 3 x Generators CAT3512 Land Rig 1750 kVA	(2) 3PN1300 1300HP (1) 3PN1000L	TESCO 500 tons 750 HP Hydraulic
F400-DEC	7,000	23,000	400	896,000	TF44- 3000 HP	Diesel Electric 2 x MCF850kW	(2) 3PN1600 1300 HP	-
F500 EC	8,500	28,000	500	1,120,000	TF55E - 3000 HP	Electric 2 x MCF850kW	(2) 3PN1300 1300 HP	-



GEOTHERMAL WATER

FACT SHEETS / REFERENCES / PROJECTS

Romania

- almost 60 years experience in geological research
- in 1992, we participated in the Danish Environmental Protection Agency project “Green City Beius” by drilling geothermal doublet wells, successfully connected n to the Beius city infrastructure;
- 22 exploitation licences for the exploitation of geothermal waters in the Western part of Romania (approx. 60% of the total geothermal resources)
- administrates 51 wells
- the first 2,5 ha of greenhouses heated with geothermal water in bio-ecological system (tomatoes production)
- drilling projects in the North-Western (Oradea, Beius) and Southern (Balotesti) geothermal water field.

INTEREST FIELD

- development and construction of BIO greenhouses
- conversion of thermal energy into electricity for heating (GREEN CARDS)

France

- workover jobs in the Paris metropolitan area

Germany

- 2 year contract for drilling wells in the Northern part of Germany





Integrated services and Project Management

Our specialists are ready to tackle and cope with any challenge which might occur throughout operations, by maintaining a high level of alert in full respect of safety and environmental standards in accordance with industry good practice. Our experience and qualification recommend us in providing integrated services as General Entrepreneur being responsible for a full range of services as:

PIPELINE: construction of oil, gas and water main pipelines and related technological facilities with more than 50 years experience gas, oil, crude oil, water and other fluids, main transmission pipelines and related technological facilities (we have built more than 90% of the Romanian gas industry infrastructure (high pressure gas transmission pipelines) and more than 1,000 km of oil transmission pipelines)

SNUBBING SERVICES: well completion services with Snubco type; Model S-15 Special Rig Assist snubbing unit and qualified personnel. Model S-15 snubbing unit consists of hydraulic jack operating platform and power pack. The unit provides safe run in and retrieval operations with tubing and coil tubing in pressurized wells. Snubbing operations protects the productive horizons against blocking effect of kill mud.

MUD LOGGING SERVICES in Romania and abroad.

OTHER SERVICES: Waste Management, Mud Fluid, accessories supply services (casing, tubing, Christmas-tree, wellheads, etc.), directional drilling and all range of drilling tools.

As a General Entrepreneur, Dafora is fully capable to ensure **PROJECT MANAGEMENT** based on 8 Key Elements.

Project Management System Key Elements



- Element 1 · Commitment, Leadership, and Accountability
- Element 2 · Policies and Objectives
- Element 3 · Organization and Resources
- Element 4 · Contractor and Supplier Management
- Element 5 · Risk Management
- Element 6 · Business Processes
- Element 7 · Performance Monitoring and Improvement
- Element 8 · Audits and Reviews

Element 1 is *Commitment, Leadership, and Accountability*. It is placed at the center of the management system graphic because it is central for the successful implementation of the other seven Elements.

The **PLAN – DO – CHECK – ACT** Cycle is a four-step process for change and continuous improvement.



PROJECT MANAGEMET KEY ELEMENTS

2. Policies & Objectives

Say what you do. Develop and communicate policies demonstrating a commitment to HSE that is consistent with, and at least equal to, other business aims. Supporting objectives shall be defined, deployed and maintained at all organizational levels.

3. Organization, Resources

Define, document and communicate the roles, responsibilities and accountabilities to enable every individual to fulfill their role in improving HSE performance.

4. Contractor and supplier management

Establish clear accountabilities, ensure active engagement of contractors. Achieving world-class contractor safety performance means a cultural shift for both the Company employees and contractors

5. Risk management

Continually evaluate processes, business, and activities for specific hazards – assess potentials, record and control the subsequent risk to a tolerable level.

6. Business processes

HSE considerations shall be integral to all aspects of business planning or changes in the design, development, purchasing and delivery of the products and services.

7. Performance Monitoring & Improvement

Do what you said you would do. Determine and record whether those actions are effective. Activities shall be conducted in accordance with defined standards, and continuous improvement shall be promoted and monitored through active employee participation.

7. Audit & Reviews

Prove you did what you said you would do. Is the Management System achieving results and fulfilling policy intent? Audits and reviews shall be conducted to verify the implementation and effectiveness of the HSE Management System and its conformation to this specification.



PORTOFOLIO

Drilling works have been carried out in Romania and abroad (South Africa, Tanzania, Uganda, Mozambique, Sudan, France, Bulgaria, Ukraine and Hungary), for Romanian and foreign operators.

AMGAZ
AMROMCO ENERGY
AURELIAN OIL&GAS
ATOL
CHEVRON
FOREST OIL INTERNATIONAL
HERITAGE OIL&GAS
JKX
KRYM PETROLEUM
NDOVU RESOURCES
OMV PETROM
PETROSANTANDER
RAFFLES ENERGY
RAG KIHA
RAMCO

REGAL PETROLEUM
ROMGAZ
ROMPETROL
SEAPFA
SCHLUMBERGER
STERLING RESOURCES
STRATUM ENERGY
TRANSEURO ENERGY
TULLOW OIL
WHITE NILE
WINTERSHALL
ZETA PETROLEUM





AFRICA

- We made our first step on the international drilling market in 2002 when we drilled the first well in Uganda for Heritage Oil & Gas.
- Later, the contract and operation portfolio expanded with other contracts in Southern part of Africa in countries such as Tanzania, Sudan and Mozambique for reputable oil operators.
- We have drilled 14 wells up to a 4.000 m depth.





EUROPE

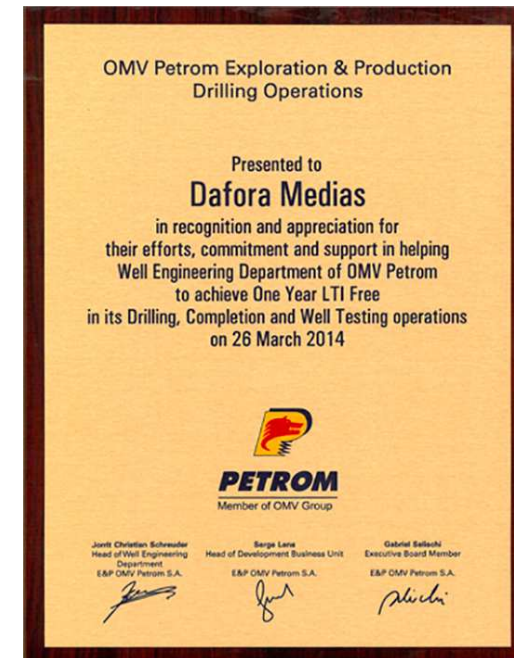
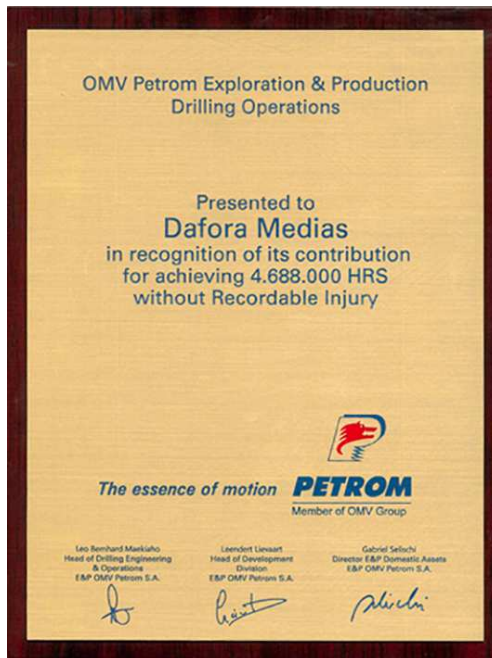
- We entered the French geothermal market in 2005 with a workover contract for the local Council.
- Between 2005 – 2012 we were active with 2.000 HP and 3.000 HP rigs in Bulgaria and Ukraine.
- We have drilled 8 wells between 2.000 m and 4.700 m depth.
- In 2013, we completed the first exploration well in Hungary. The well reached a depth of over 2.000 m and was drilled with a modern and competitive rig on international market.





RECOMMENDATIONS

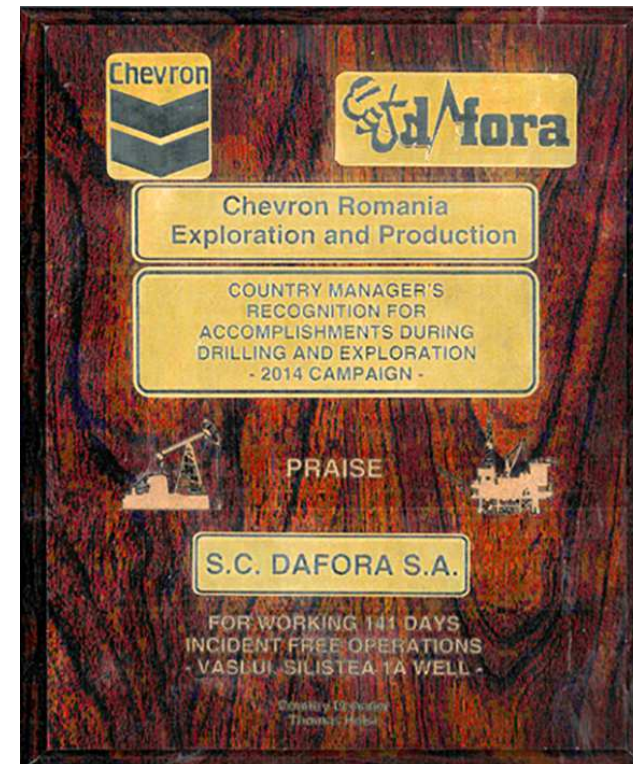
4 years ago we entered into a partnership with the largest oil and gas producer in South Eastern Europe, OMV PETROM, for oil & gas drilling projects. Two of our rigs successfully drilled an average of 12 wells per year showing a significant contribution to the Romanian oil production.





RECOMMENDATIONS

Dafora participated at the international bidding process and a 4-year Master Drilling Contract was awarded by CHEVRON to our company for their Romanian, Bulgarian and Ukrainian shale gas drilling campaign.





RECOMMENDATIONS

We have a long and strong experience drilling for Romgaz, the largest natural gas producer and the main supplier in Romania, listed on the London Stock Exchange.

The average number of drilled wells per year is 15 using a rig fleet of 3 or 4 units, depending on awarded projects.





RECOMMENDATIONS

The first wells of Rompetrol / KuzMunaiGas outside Kazakhstan were drilled by Dafora, one of them reaching the depth of over 5.000 m.





Drilling rigs specifications

Bentec Euro 5

The 350-t AC Bentec rig is a diesel electric driven unit, built under the highest standards and can operate for oil, gas and geothermal water wells. The rig is built in accordance with API and ATEX specifications.

- ✓ Noise level: max. 55 dB at 300m from well center and 80 dB at individual work stations.
- ✓ Max. drilling depth capacity: 6000 m
- ✓ Mast clear height: 43.8 m
- ✓ Floor height: 9 m – variable configuration
- ✓ Clear height under rotary table beams: 7.4 m
- ✓ Max hook load: 350 t
- ✓ Drawworks input power: 1500 HP
- ✓ Drilling line: 35 mm / 1-3/8"
- ✓ Rotary table type: Mud King 37-1/2" opening
- ✓ Iron Roughneck type: NOV ST 80
- ✓ Top Drive type: TDS-11-SA
- ✓ Mud pumps: Eweco 1600 HP





Drilling rigs specifications

F 400 DEC

- ✓ Max. drilling depth capacity: 6000 m
- ✓ Mast clear height: 44 m
- ✓ Floor height: 6.9 m
- ✓ Clear height under rotary table beams: 5.5 m
- ✓ Max hook load: 400t
- ✓ Top Drive: Tesco 500 HCI E6P / 750 HP
- ✓ Drawworks input power: 3000 HP
- ✓ Drilling line: 35mm / 1-3/8"
- ✓ Rotary table type: MRL 27-1/2"
- ✓ Mud Pump type: 3 PN 1300 HP

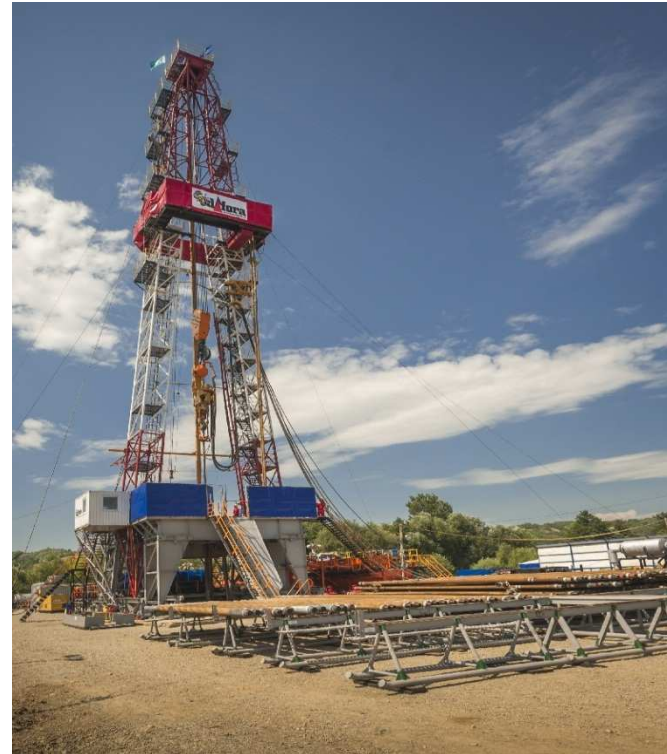




Drilling rigs specifications

F 320 DEC

- ✓ Max. drilling depth capacity: 5000 m
- ✓ Mast clear height: 44 m
- ✓ Floor height: 6.9 m
- ✓ Clear height under rotary table beams: 5.5 m
- ✓ Max. hook load: 320 t
- ✓ Top Drive: Tesco 500 HCI E6P / 1205 HP
- ✓ Drawworks input power: 2300 HP
- ✓ Drilling line: 35 mm / 1-3/8"
- ✓ Rotary table type: MRL 27-1/2"
- ✓ Mud Pump type: 3 PN 1600 HP





Drilling rigs specifications

MR 8000 Drillmec

Semi-trailer mounted high mobility rig with hydraulic operating telescoping mast, suitable for drilling slim holes

- ✓ Max. drilling depth capacity: 4000 m
- ✓ Mast clear height: 36 m
- ✓ Floor height: 5.2 m
- ✓ Clear height under rotary table beams: 4.17 m
- ✓ Max. hook load: 200 to
- ✓ Top Drive: Drillmec HTD 250
- ✓ Drawworks input power: 1080 HP
- ✓ Drilling line: 28 mm / 1-1/8"
- ✓ Rotary table type: 27-1/2"
- ✓ Mud Pump type: Drillmec triplex 1000 HP





Drilling rigs specifications

F200 - DH7

- ✓ Max. drilling depth capacity: 4000 m
- ✓ Mast clear height: 41.8 m
- ✓ Floor height: 5000 mm
- ✓ Clear height under rotary table beams: 4150 mm
- ✓ Max. hook load: 200 t
- ✓ Drawworks input power: 1500 HP
- ✓ Drilling line: 32 mm
- ✓ Rotary table type: 27 1/2" or 20 1/2"
- ✓ Mud Pump type: (2) 3NB1000-1000

HP



F200 – DEC

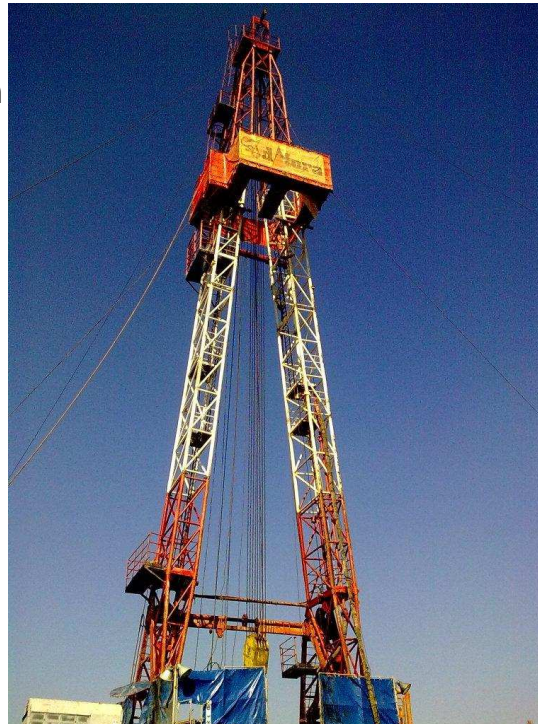
- ✓ Max. drilling depth capacity: 4000 m
- ✓ Mast clear height: 41.8 m
- ✓ Floor height: 5000 mm
- ✓ Clear height under rotary table beams: 4150 m
- ✓ Max. hook load: 200 t
- ✓ Drawworks input power: 1500 HP
- ✓ Drilling line: 32 mm
- ✓ Rotary table type: 27 1/2" or 20 1/2"
- ✓ Mud Pump type: (2) 3PN700 Ec - 700 HP



Drilling rigs specifications

F125

- ✓ Max. drilling depth capacity: 2800 m
- ✓ Mast clear height: 40 m
- ✓ Floor height: 4400 mm
- ✓ Clear height under rotary table beams: 3550 mm
- ✓ Max. hook load: 125 t
- ✓ Drawworks input power: 900 HP
- ✓ Drilling line: 28 mm
- ✓ Rotary table type: 20 1/2" or 17 1/2"
- ✓ Mud Pump type: (2) 2PN700 Ec - 700 HP



F100

- ✓ Max. drilling depth capacity: 2300 m
- ✓ Mast clear height: 40.8 m
- ✓ Floor height: 4500 mm
- ✓ Clear height under rotary table beams: 3700 mm
- ✓ Max. hook load: 100 t
- ✓ Drawworks input power: 415 HP
- ✓ Drilling line: 25 mm
- ✓ Rotary table type: 20 1/2" or 17 1/2"
- ✓ Mud Pump type: (2) 2PN700 - 700 HP



Rigs specifications

TW 80 A4 (for workover)

- ✓ Hook max.load : 80 tf
- ✓ Static max.load: 100 tf
- ✓ Main wire line diameter: 25 mm
- ✓ Traveler block wire line no. 8
- ✓ Drill pipes 2" 7/8 : 2200 m
- ✓ Mast clear height: 24 m
- ✓ Mud Pump type: 3PN500
- ✓ Top Drive: Power Swivel Bowen S3,5
- ✓ Drawworks input power: 474 HP





Special operations services

Dafora provides well completion services with Snubco type; Model S-15 Special Rig Assist snubbing unit and qualified personnel.

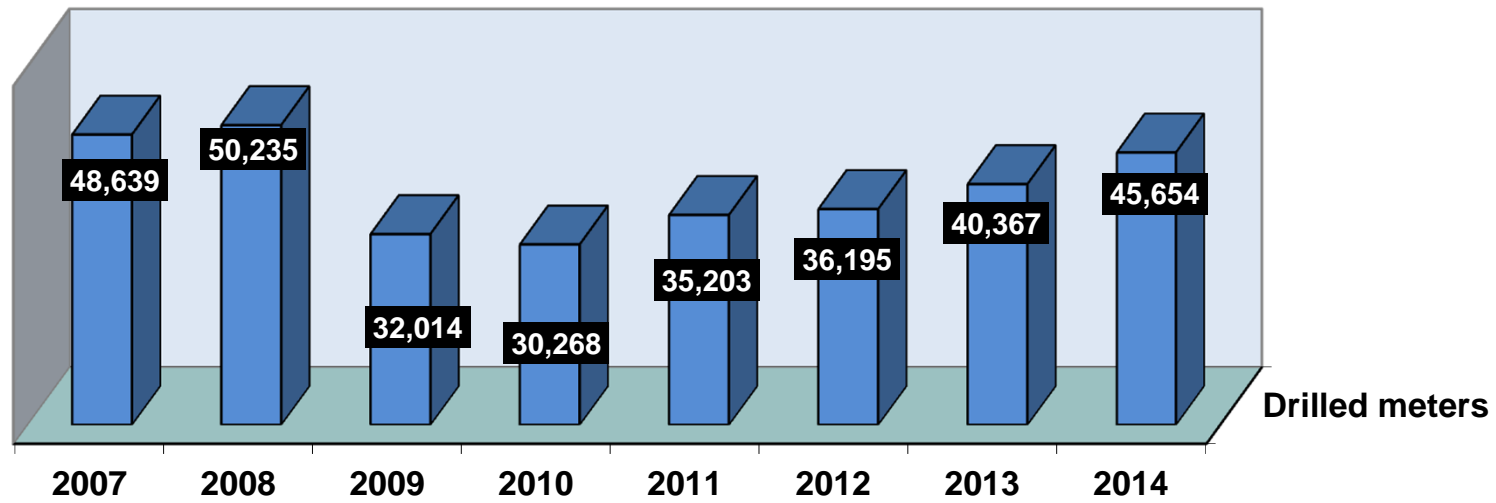
Model S-15 snubbing unit consists of hydraulic jack operating platform and power pack. The unit provides safe run in and retrieval operations with tubing and coil tubing in pressurized wells. Snubbing operations protects the productive horizons against blocking effect of kill mud.



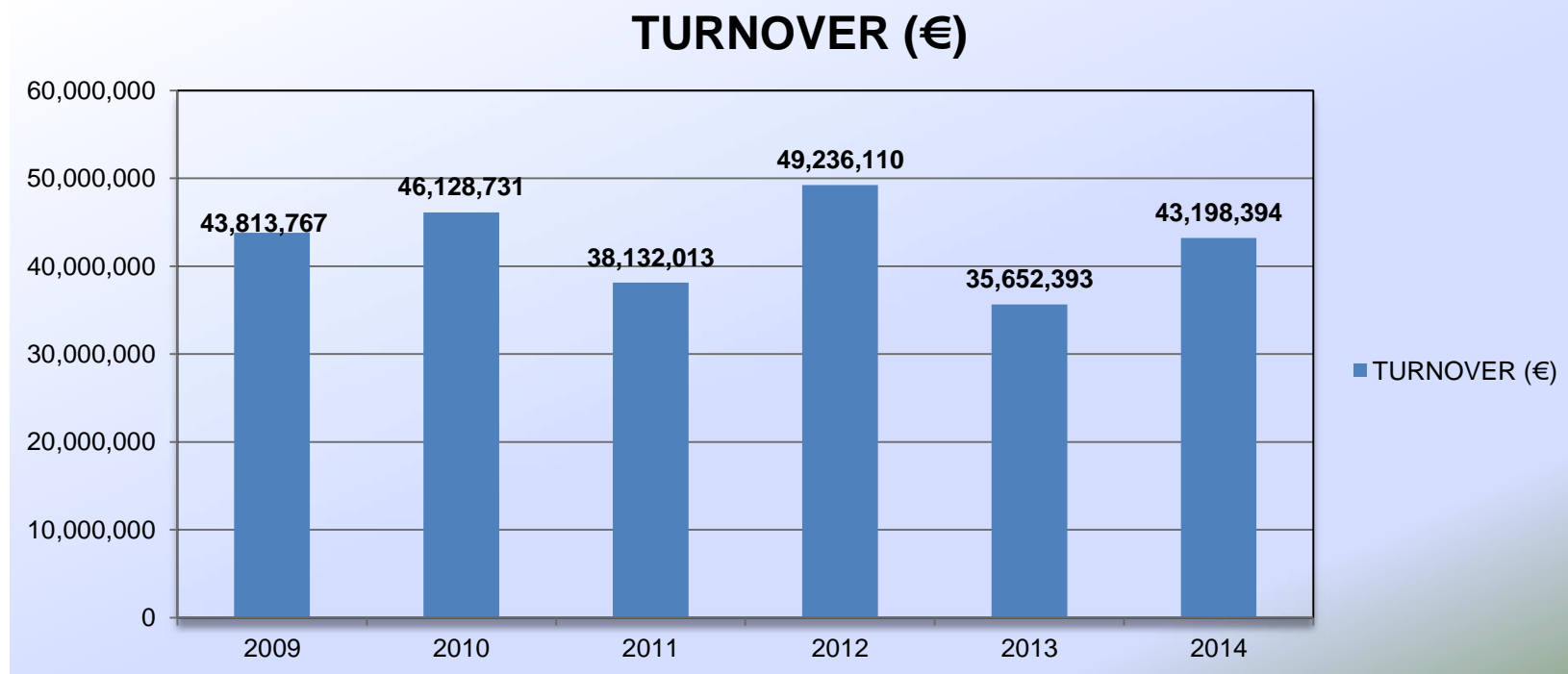
Technical specifications:

- ✓ Tubing tripping speed: 80 m/hour;
- ✓ Nominal working pressure: 350 bar;
- ✓ Handling diameter range for tubing: 1" – 5 1/2";
- ✓ Unit total height: 2,5 m;
- ✓ Working platform: 2500 x 1650 mm;
- ✓ Power pack prime mover type CAT 3126B fitted with hydraulic unit;
- ✓ Hydraulic annular preventer type: 7 1/16" x 350 bar;
- ✓ Hydraulic double ram preventer: 7 1/16" x 350 bar;
- ✓ Nitrogen accumulator tank for primary preventer, capacity 166 l, pressure 210 bar;
- ✓ Maximum pull out capacity: 38 000 kgf;
- ✓ Maximum run in capacity: 27 000 kgf;
- ✓ Hydraulic Jack stroke: 1,7 m;
- ✓ Working parameters instrumentation panel (control & recording);
- ✓ Ancillary equipment for tubing safe handling.

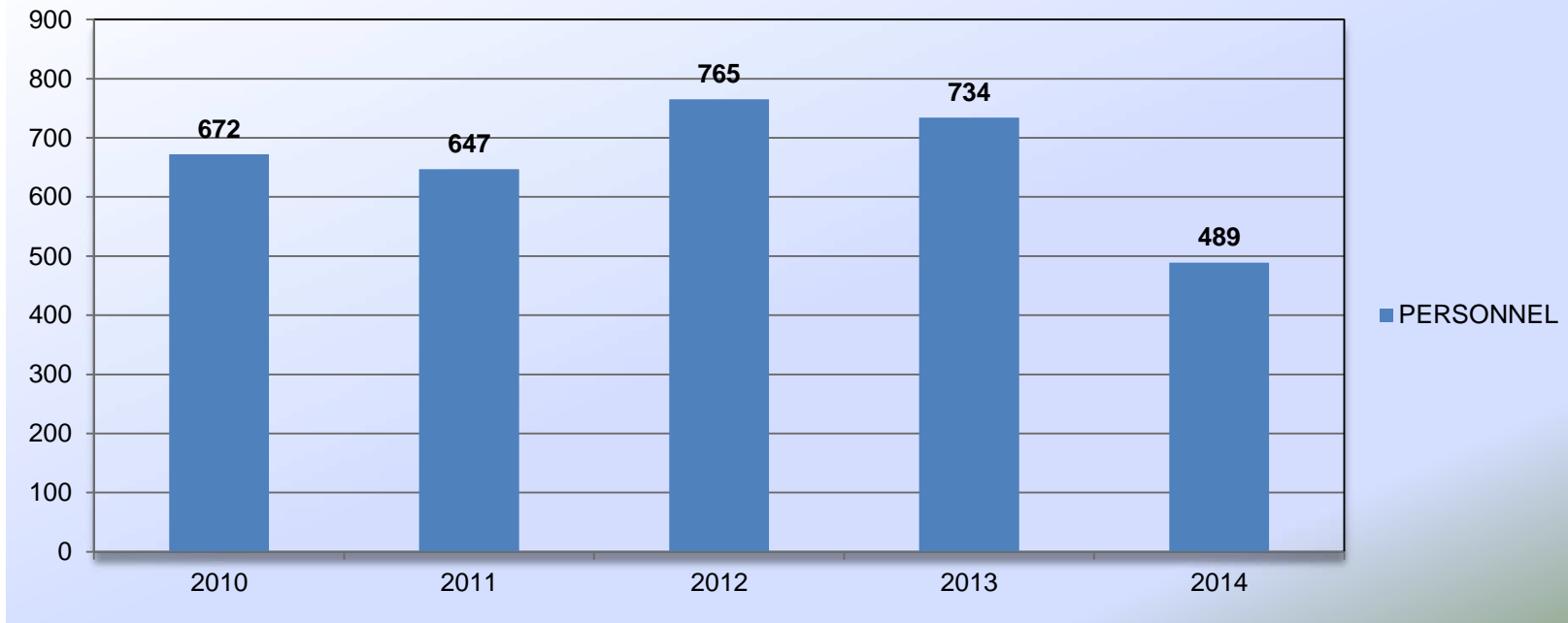
DRILLING IN FIGURES



Financial data



PERSONNEL



We are a company that specializes in drilling services and well services because we believe that our specialists do the job best. Our experience drives our difference in our constant search for new ways to deliver better wells.



Dafora's Core Values

- D**o it safe behavior in generating success for employees, customers and shareholders
- A**cquire knowledge to be able to do the job only in a safe and efficient manner
- F**inancial and ethical behavior
- O**perational excellence
- R**un controls on all identified risks
- A**ct with a “can-do” attitude ensuring no harm to people, property or to the environment



What Safety means to our Team?

Dafora is committed to conducting business in a manner that **protects the safety and health of all** personnel involved in its operations, **to respect and care** for the environment and to preserve the physical resources of the Company.





2015 Objectives

- Maintain the “Driller of Choice” position in the Romanian drilling market;
- Manage a flexible “Business Plan” by increasing the number of clients;
- To be active in all major oil and gas producing basins worldwide:
 - looking for opportunities in MENA, Louisiana, Ukraine, Albania, etc.
 - developing the drilling activity in the geothermal water sector;
- Develop and ensure implementation of a comprehensive QHSE improvement plan based on industry best practices.
- Continue the enhanced HSE and leadership training in 2015 along with other mandated training.



Building success together – Safely!

Our vision

Everyone Home Safe Every Day

Our belief

Outstanding QHSE performance
and outstanding business
performance goes hand in hand

**Our personal
commitment**

You have our commitment that
every health, safety and
environment statement we promote
is efficient when used as directed



THANK YOU FOR YOUR ATTENTION!

Contact:

S.C. Dafora S.A. Medias

RO-551010 Medias, Str. Garii de Marfuri, no. 17 | Tel.: +40 269 841 668 | Fax: +40 269 841 618

dafora.drilling@dafora.ro | www.dafora.ro