

November / December 2006

Sogreah boosts its position in the field of innovation. Sogreah is a partner in several major national and European research and development projects as 2006 draws to a close:

- Sogreah is leading a group of seven partners involved in the PROLIPHYC project. The aim of this project is to develop an operating system to monitor and give real-time warnings of phytoplankton blooms in lakes and other water bodies with special application to cyanobacteria. Sogreah's partners are CEREVE (ENPC), the Institute for the Physics of the Globe, INRA UMR CARTEL, the Paris Natural History Museum, CNRE and NKE Electronics. The PROLIPHYC project forms part of the PRECODD programme (ecotechnology and sustainable development) being implemented by the National Research Agency (ANR). Confirmation of funding was announced at the end of November 2006. It follows on from the SACYTOX project already managed by Sogreah, within the RITEAU network and financed by the Ministry of Ecology and Sustainable Development.

- Sogreah is a partner in the CYCLEAUX 1 project sponsored by the EMC2 "competitiveness cluster" and funded by the Ministry of Industry and the "Pays de Loire" Region. The aim of this project is to develop processes and systems for recycling wastewater on board ships or in any type of building. In addition to Sogreah, the group consists of Aker Yards (Chantiers de l'Atlantique), Wirquin Plastiques, the GEPEA (Nantes) and LARCIP (Rennes) laboratories and CSTB, with Atlanpole providing coordination.

- Sogreah is a partner in the European SPICOSA project (Science and Policy Integration for Coastal System Assessment). The aim of this project is to develop an integrated approach and resources for assessing public policies for the sustainable management of coastal ecosystems subject to anthropogenic and environmental modifications and climate change. This project is coordinated by IFREMER and brings together 51 partners from all the maritime countries of Europe.

Sogreah attended (ran a stand at) the following events:

. Salon des Maires et des Collectivités Locales (national meeting for local councillors and decision-makers). Porte de Versailles, Paris – 21, 22 and 23 November 2006

Conference:

Sogreah Magelis gave a presentation as part of the INERIS (National Institute for Environmental and Industrial Risks) forum: "Communes and urbanisation-related risks" – 23 November 2006

. POLLUTEC 2006

Eurexpo, Lyons – 28 November / 1 December 2006

Conferences:

- Lyon Confluence, INERIS and Sogreah Magelis presented a conference entitled: "Regenerating industrial wasteland to create a living area - the example of the work taking place at the Lyon Confluence site" - 29 November 2006

- Ecotechnology seminar (ANR-ADEME) on "Review of R&D in France: technological solutions for environmental issues" – 29 November 2006:

Presentation by Jean-Marc Usseglio: "Appraisal of the RITEAU water and environment technologies network (2000-2005)".

Presentation by Catherine Freissinet: "SACYTOX, a warning system for the proliferation of toxic cyanobacteria in lakes".

- Polluted Sites and Soils Village / UPDS - Presentation by Philippe Jean, Sogreah Magelis: "Economic and legal aspects of regenerating industrial wasteland" - 30 November 2006

September / October 2006

Sogreah continues to develop its activity in Eastern Europe with the signature of two new contracts in Ukraine:

Waste– management in the Donetsk region; Sogreah is leading the Consortium

Technical– assistance to the water and sewerage utility in the city of Dniepropetrovsk (rehabilitation of the city's water and sewerage network – 1 million inhabitants).

Sogreah has just been appointed in partnership to perform the design studies and provide assistance for the 1200 MW TESTA III hydropower scheme in India. This new contract confirms the development of one of Sogreah's historic activities.

Sogreah attended (rented a stand) at the following exhibitions/conferences:

HIC 2006 (Hydroinformatics) conference – Nice Acropolis - 4/8 September 2006
(presentation of activities related to the distribution of the TELEMAT 2D / 3D modelling system and its use in studies)

August 2006

In order to adapt to its rate of growth (turnover has doubled in the space of 6 years) and pave the way for meeting its strategic objectives for 2010, Sogreah rolled out a new operational organisation on 1 July 2006.

The Group, previously organised into two branches, now has:

- Four technical branches: "Water, Energy, Environment", "Urban and Industrial Environment", "Maritime" and "Urban development". These branches carry out domestic and international projects for private clients, for institutional clients and/or in specific fields for all clients. Subsidiaries CLI and Magelis are affiliated to the technical branches.

- Three geographical branches comprising the Group's five Regions in France: West (Nantes), North and East (Paris), Centre - Rhone-Alps (Grenoble), Mediterranean (Marseilles) and South West (Toulouse). These Regions, grouping together a network of 30 offices, mainly work for regional authorities in France.

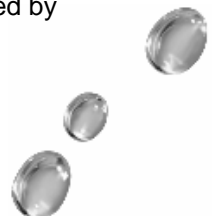
- A subsidiary holding the Group's shares in its seven international subsidiaries: Someah (Madagascar), Sogreah Middle East (Egypt), Sogreah Cyprus, Sogreah Gulf (UAE), Sogreah Algérie, Sogreah China and Sogreah Polska.

Four Vice Presidents are sharing corporate responsibilities for Administration and Finance, Management and Human Relations, French, European and International market developments, private clients and innovation.

An updated organisation chart will soon be published on the web site.

June 2006

- With the assistance of its Egyptian subsidiary Sogreah Middle East, Sogreah is carrying out a comprehensive management study for the public lighting system of the city of Alexandria. This includes an assessment of the asset base, a feasibility study, preparation of specifications and monitoring of the tendering procedure. Alexandria, with a population of 5 million, is Egypt's second city and today has a total of 95 000 lighting points. The purpose of the project is to improve the quality and safety of the service, guarantee the working life of the installations and control energy consumption. This project, funded by



FASEP, marks the expansion of Sogreah's urban development activities internationally.

- As part of the design of the Seine Nord Europe Canal, Sogreah's hydraulics laboratory is building a 1:25 scale model of a 30 m high lock with separate chambers and a double floor. The structure is exceptional in terms of its size, complexity and rarity. The model represents the entire hydraulic system of the lock in detail. Its purpose is in particular to validate the transient hydraulic conditions of the lock emptying and filling phases, especially in the complex shapes of the ducts planned between the side ponds and injection space between two floors at the bottom of the chamber.

- Sogreah opens a new office in Brest. This new office completes the company's West France regional network. In view of the size of the various studies in progress in the Brest region, it became quickly apparent that such an office was necessary. Its aims are to act as a relay for major projects being managed from the Nantes office, to develop roads and utilities activities in the departments of Finistère and Côtes d'Armor and to act as a focal point for maritime development projects.

SOGREAH agence de BREST
CENTRE D'AFFAIRES DU PORT
6, rue de Porstrein - Port de Commerce
29200 BREST

Telephone : 02 98 46 88 83

Fax : 02 98 46 88 85

e-mail : brest@sogreah.fr

- Sogreah had a stand at the "Pollunove HQSE" exhibition in Lyons at the end of May.

- From 19 to 23 June, Sogreah took part in the 22nd Congress on Large Dams, a three-yearly event that draws together most of the major figures from the world of dams in a single place (this year Barcelona) for a week, during which they exchange their experiences and discuss specific technical issues. During this event, the French committee held a stand that was manned by various players from the profession in France. Sogreah played an important role, in keeping with its participation at the congress.

July 2006

- Sogreah was invited by the Loire Estuary public interest group to prepare a detailed 3D hydrosedimentary mathematical model of the entire Loire estuary. The model is capable of reproducing morphodynamic changes in the estuary, including simulation of the maximum turbidity zone. The model was built with the Telemac-3D system. It is highly innovative in terms of the complete link-up between water level, velocity, salinity and turbidity calculations. Providing a reference frame for the state and progress of the estuary, this model can be used to deepen and evaluate scenarios aimed at improving the its hydrosedimentary operation.

- The joint venture comprising Chabal Architects (main partner), PE2C, Sogreah, Nicolas Ingénierie and EAI has been awarded a contract for complete coordination and management of the construction of Michel Delay teacher training college in Vénissieux. The project includes a lecture theatre, classrooms, a documentation centre, offices, administrative premises, reception and exhibition areas covering a total of 1050 m². Sogreah is responsible for the fabric, earthworks, roads and utilities and steel framework.

May 2006

- A consortium led by Sogreah has been selected to provide technical assistance and supervise infrastructure development works on the drinking water supply (including a treatment plant) and sewerage



system (including a wastewater treatment plant) of the town of Drobeta, Romania. This project contributes to Sogreah's proactive development policy in Central Europe.

- The Alcan group has appointed Sogreah, in consortium with Tecslut, for the technical and environmental studies of the Nachtigal hydroelectric dam, which will contribute to the development of Alcan's aluminium plant in Edea, Cameroon. Sogreah is continuing to develop its services to private and, particularly, industrial clients.
- Sogreah Algeria ran a stand at the SIEE Pollutec 2006 show which was held in Algiers from 8 to 11 May.
- Sogreah also had a stand at Carbon Expo in Cologne from 10-12 May. Carbon Expo is an international fair dedicated to the Kyoto Protocole mechanisms and the carbon market. Sogreah's participation in this show ties in with its efforts to develop its services related to the consequences of climate change. Sogreah also participated in the "Clean Development mechanisms" workshop organised in Paris by the Organisation Internationale de la Francophonie.
- Sogreah is opening a new agency in France, near Agen in the Lot-et-Garonne region. This new agency will form part of the South-West regional network.
- Grenoble's third tram line was inaugurated on Saturday 20 May. Sogreah has been actively involved in this project since 2001 within the framework of an infrastructure project management consortium in charge of supervising the network diversion works.

April 2006

- The Algerian Ministry of Water Resources has appointed Sogreah to draw up an inventory of small and medium-sized irrigation schemes throughout the country (about 130 000 irrigation areas measuring less than 1000 ha) and a strategic development programme for irrigated agriculture. Sogreah Algeria, a subsidiary founded in 2005, will be closely involved in the project.
- The Port Revel Shiphandling Training Centre opened for the 2006 season at the beginning of April, after its annual winter break (www.portrevel.com). Over a hundred captains and pilots from ports around the world have already registered for training, with a considerable increase in the number of European participants. The 2006 innovation will consist in fitting one of the scale models with "pods", in order to reproduce the propulsion of cruise ships.
- Sogreah's new offices in Le Lamentin, Martinique, were inaugurated on 3 April. Sogreah is very active in the Antilles region, particularly in Martinique. Its main fields of activity are the maritime sector (Etang z'abricots Marina, Baie du Marin, etc.), urban development (public lighting at Fort de France, seafront developments, etc.), rehabilitation of waste dumps and protection against natural hazards.

March 2006

Sogreah has been selected to participate in the post-tsunami reconstruction programme in Indonesia, under French Government funding. Sogreah is in charge of planning and coordinating basic infrastructure rehabilitation (water supply, sewerage systems, waste, roads) in the Banda Aceh region, which was severely damaged by the tsunami that hit the island on 26 December 2004. Sogreah is providing assistance to the BRR (Agency for Rehabilitation and Reconstruction of Aceh and Nias).

- The first container ship entered Port 2000, the new container port at Le Havre, France, on 30 March in the presence of the French Minister of Transport, Dominique Perben. Sogreah has been actively involved in this ambitious project over the past ten years. Sogreah first carried out the hydro-sedimentary feasibility and preliminary design studies (1994-1997), assisted the Port of Le Havre Authority during the public debate and participated in the definition and study of mitigating and estuary restoration measures (1998-2000). Sogreah



then carried out the detailed studies for works and construction scheduling (2000-2001) and assisted the consortium in charge of breakwater and caisson roundhead construction (2001-2006). Sogreah based its studies on highly detailed mathematical models, using the Telemac 2D/3D code and various general and detailed physical scale models of sediment transport or stability, which were implemented in its laboratory. Furthermore, an Acropode™ licence and technical assistance contract to protect the breakwaters has been concluded.

- Sogreah China ran a stand at the 2006 Pollutec Shanghai exhibition.

February 2006

Sogreah has just been selected to provide engineering services for the maritime structures of the new Qatar Petroleum port at Ras Laffan (Qatar). Sogreah is working on behalf of the joint venture awarded the design-build contract. Sogreah's Maritime Division, which is also currently providing engineering services for the Qatofin industrial terminal (Qatar) and Bal Haf LNG terminal (Yemen), with back-up from subsidiary Sogreah Gulf, is thus continuing to strengthen its position in engineering services for ports and industrial terminals in the Middle East. More than 120 people are currently dedicated to the maritime sector within the group.

In France, Sogreah was commissioned at the beginning of the year with engineering services for:

- sewerage and widening to 6 lanes of the A61 motorway between Toulouse and Narbonne,
- Evreux drinking water treatment plant, with a capacity of 35 100 m³/day,
- the preliminary design of development works to protect the Grésivaudan plain against floods on the Isère,
- road, utility network, public lighting and signalling development works in greater Toulon,
- complete project supervision of development works on Seguin island at Boulogne-Billancourt in the greater Paris area.

January 2006

Sogreah has had an excellent 2005, built on its sound development and profitability, and strengthened its order book with record numbers of orders.

Over the course of 2005, Sogreah and its subsidiaries won contracts worth almost 84 million euros, over 10% more than in 2004. Orders are increasing both in France and on the international market.

The international market represented 38% of orders. The Europe market (excluding France) is growing steadily and constitutes over 30% of our international orders. The network of seven international subsidiaries contributed substantially to this growth. At the beginning of January, Sogreah held meetings in Grenoble with the management teams of these subsidiaries, employing over 120 people: Sogreah Cyprus, Sogreah Polska, Sogreah Algérie, Sogreah China, Sogreah Gulf, Sogreah Middle East and Someah (Madagascar).

The Mediterranean region's NIMES agency has just opened. The agency will be managed by Laurent POLLY who will be joined by 3 people during the year. It will be involved in the Nîmes area drinking water supply plan and on-site supervision of works on the Nîmes sewage treatment plant. The office will be developed gradually, focusing on providing engineering services to customers in the region.

Le Palatium
bureau n° 36
126 impasse Juvenal



30900 Nîmes
Tél. : 04 66 04 58 37 /Fax : 04 66 04 58 83

In order to stay competitive in site supervision in the Mayenne and Sarthe departments, the decision has been taken to open **an office in LAVAL**. The office is located in a business incubator 10 km west of Laval. For the moment, the office is staffed by just one person: Luc ROBERT.
Setting up this office will make us better placed to provide engineering services to local customers in Mayenne, Sarthe and Ille et Vilaine.

Centre d'affaires
Parc d'activités de la Chapelle du Chêne
53320 Loiron
Tél. : 02 43 02 84 70
Fax : 02 43 66 16 39

