

**“French delegation on International Climate Change exhibition”
DSDS 2009 – 4th to 7th February at Ashok Hotel, Delhi**

LIST OF COMPANIES

1. VINCI (Construction, Concessions & associated services)
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6. EDF (Green Energy Production)
7. TOTAL (Petroleum and Gas)
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9. SUEZ/GDF (Green Energy Production)
10. AREVA France (Green Energy Production)
11. EADS (Aerospace, defence and Related Services)

VINCI (Construction, Concessions and Associated Services)

VINCI is the world's leading Group in *concessions, construction and associated services*. Its lines of business (construction, roadwork, energy and information, parking, motorway and airport concessions) are carried out mainly in urban areas. Its commitment is to bring together people, ideas and techniques together bring an unparalleled array of capabilities in *building, civil engineering, hydraulic engineering* and related services. Besides VINCI is also a major player in providing information technology services and operates in *energy infrastructure, manufacturing and telecommunications sector*.

EGIS (Environment Management)

With 6700 staff worldwide, engineers and experts, Egis is a centre of engineering excellence providing services for *transport infrastructure and systems* (roads, railways, airports, urban transport), *urban development, hydraulics and the environment*.

LIST OF SMEs

Egis is also a specialist in *project financing and infrastructure operation*.

1. ARIA Technologies (IT & Computer Based Simulation Systems)
2. Capenergies (SMEs Cluster)
3. LEOSPHERE Inc. (Environmental Systems – Laser Radar)
4. BRGM (Environment Management)
5. L'EAU PURE (Water & Waste Water Management)
6. SEURECA (Environment Consultancy Services)
7. OPTIS (IT and Engineering Consultancy Services)
8. RVE (Réunion Valorisation Environnement)
9. SENIDECO (Green Construction)
10. 3MW (Green Energy Production & Water Management)
11. REEL (Construction)

Egis accompanies its clients at every stage of their project offering a range of services in France and in *more than 90 countries*.

Its unique market position carries specific responsibilities *with regard to sustainable development*.

Egis has been in India since 1996 and a dedicated subsidiary, Egis India Pvt. Ltd., was created in 2005, with a yearly growth of over 25% in its business and manpower.

In 2007, Egis India made alone a turnover of € 5.3 million and employs more than 500 persons.

Some key projects in India : Over 9,000 km of road and highway design and supervision, feasibility study for Delhi Light Rail Transit System, Hyderabad Outer Ring Road, Flood vulnerability studies for the state of Gujarat, BRTS I Bhopal,...

VEOLIA Water (Environment and Water Management)

Veolia Environnement is the world leader in environmental services. With operations on every continent Veolia provide customized solutions to meet the needs of municipal and industrial customers in four complementary segments: *water, environmental services, energy services and passenger transportation*. Veolia Water, the water division of Veolia Environnement, is the leading operating company in the world for providing *water services*. It specializes in the outsourced management of water services for municipal or industrial clients. It is also the world leader in *engineering, design and execution of construction projects for turnkey facilities and water treatment plants*. The company also creates dedicated technological solutions.

DASSAULT SYSTEME (IT & Product Lifecycle Management)

Dassault Systèmes is a world leader in 3D and Product Lifecycle Management (PLM) software solutions. The global company serves over 100,000 customers representing 11 industries (from auto and aero to apparel and life science) in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets state-of-the-art PLM applications and services that support and optimize industrial processes and provide a 3D vision of the entire lifecycle of products from conception and design to production, maintenance and recycling.

The Dassault Systèmes portfolio consists of CATIA for designing the product - SolidWorks - for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing - ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences.

STERIA (IT & Product Lifecycle Management)

Group Steria has accorded very high priority and focus to be Sustainable with the Green agenda, and included this in the twelve commitments under our "One Steria" program. A Group Green Committee has been established with a focused approach in all countries that Steria operates. Our work in this direction is to achieve a status of "Steria – The Green Company". Our approach is "Living Green and Offering Green". In this direction, our immediate focus at the group level is to

- a) *Control*
 - i. *Travel (aiming to be carbon neutral on travel)*
 - ii. *Energy use*
 - iii. *Consumables*
- b) *Promote/ sell green offers*
 - i. *Oracle/ SAP workflow*
 - ii. *E-procurement*
 - iii. *Document output management*
 - iv. *Electronic content management*

EDF (Green Energy Production)

An energy market leader in Europe, the EDF Group is an integrated energy company operating in all branches of the industry: generation, transmission, distribution, and the trading and sale of energy. EDF owns and operates more than 130 GW of capacity leading the way to zero-carbon energy at competitive costs. In France, 95% of our electricity generation is carbon free, and EDF emits three times less CO₂ per kWh than the other large European electricity groups, thanks to our nuclear generation fleet and large hydro power facilities.

EDF has been active in India for more than two decades and has been involved in number of energy and environmental related initiatives, among others working with public utilities like NTPC on large scale hydro projects. More recently, EDF group has been active in India as one of the largest buyer under CDM of the Kyoto protocol. EDF Group has already transacted around 3.5 million CERs through Indian market. Furthermore, EDF and TERI enjoy long term relationship and have initialized MoU in the field of sustainable development.

EDF is committed to India and would like to continue our on-going relations with Indian energy sector companies on sharing our knowledge and industrial skills in energy and

environment sector. Opening of India's nuclear sector has opened a new opportunities for International companies. EDF would also like to understand the emerging Indian civil nuclear sector and looks for its contribution in the coming years. We are seriously exploring possibilities of developing large hydro power projects in the Indian subcontinent.

TOTAL (Petroleum & Gas)

Total started its activities in India in 1993 and is now an active player in Refining & Marketing, Gas & Power and Chemicals. With a total strength of over 1200 employees, the offices are spread regionally across the Indian map. Refining & Marketing includes business for Lubricants, LPG, Bitumen, Additives and Special fuels, Special fluids, and Lubmarine. In the Gas and Power division, Total has a partnership with Shell for an LNG terminal at Hazira and an LPG cavern along with HPCL at Vizag with a capacity of 60,000 tonnes. Total also has chemical companies like Cray valley India Pvt, Bostik Pvt Ltd, Atotech India Ltd, Hutchinson (Purchasing office) which have a good market share in the Indian market. TENESOL (Construction, Solar energy and photovoltaic Systems)

TENESOL is now among the world leaders system architects in solar energy and photovoltaic systems and ever more innovative when associated with its complete range of services. TENESOL offers to individuals, companies and local authorities ways to replace progressively non renewable and pollutant energies by the consumption of a permanently renewable and intrinsically environment friendly source: solar energy. TENESOL also provides services related to *electrification of isolated sites, solar thermics and grid connection.*

SUEZ/GDF (Green Energy Production)

One of the leading energy providers in the world, GDF SUEZ is active across the entire energy *value chain, in electricity and natural gas, upstream to downstream.* It develops its businesses (*energy, energy services and environment*) around a responsible-growth model to take up the great challenges: responding to energy needs, ensuring the

security of supply, fighting against climate change and maximizing the use of resources. GDF SUEZ relies on diversified supply sources as well as flexible and high-performance power generation in order to provide innovative energy solutions to individuals, cities and businesses.

AREVA France (Green Energy Production)

[AREVA](#), world energy expert, offers its customers *technological solutions for highly reliable nuclear power generation and electricity transmission and distribution.* AREVA innovates to contribute to *CO2-free power generation and electricity transport that are cleaner, safer and more economic.* Aware of the responsibilities that its leadership position carries, and of the role of nuclear power and electricity networks in the planet's energy challenges, the group draws on proven safety and quality practices and on its tradition of precision and risk management to unite entities' cultures around sustainable development. To translate this choice into reality, AREVA integrates sustainable development into its business strategy and its management practices via a continuous improvement initiative.

EADS (Aerospace, defence and Related Services)

EADS is a global leader in *aerospace, defence and related services.* The Group includes the aircraft manufacturer Airbus, the world's largest helicopter supplier Eurocopter and EADS Astrium, the European leader in space programmes from Ariane to Galileo. Its Defence & Security Division is a provider of comprehensive systems solutions and makes EADS the major partner in the Eurofighter consortium. Corresponding to the product range, the company is subdivided into four Divisions: Airbus, Eurocopter, Astrium, Defence and Security.

ARIA Technologies (IT & Computer Based Simulation Systems)

ARIA Technologies has completed 15 years of activity focused on a single concern, the atmospheric environment. They specialise in *numerical simulation* of the dispersion of pollutants in the atmosphere. Over the years, Aria Technologies have built a team of engineers, researchers, and environment specialists who bring together the knowledge of *fluid dynamics, meteorology, atmospheric chemistry, applied computing, database management, and geographic information systems (GIS)*. And they have strengthened their competence through a continuing collaboration with leading European laboratories in the area of *fluid dynamics modelling* (the French and Italian electricity boards EDF and ENEL, the French research centre CNRS, the French petroleum research institute IFP).

ARIA Technologies offers two types of solutions to clients:

- * *Computer-based simulation systems designed and developed by their team.*
- * *Studies and consulting services.*

Capenergies (SMEs Cluster)

CAPENERGIES is a competitiveness cluster dedicated to the energy sources that do not produce greenhouse gases: energy efficiency, renewable energies and nuclear.

CAPENERGIES pools together 350 members, industrial, research and higher education players in Provence-Alpes-Côte d'Azur, Corsica, Reunion and Guadeloupe regions.

The missions of CAPENERGIES are:

- Facilitate exchanges between the members.
- Develop cooperative and innovating projects on energy/solutions systems.
- Assisting members in developing their projects and products.
- Supporting members in their international development.

Since its creation in 2005, CAPENERGIES has certified 160 projects for a global amount of investment of 1,000 M€.

India is one of the targeted countries of CAPENERGIES and its members for their international development.

The objective is to develop R&D and industrial partnerships with Indian companies in the fields of climate change.

LEOSPHERE Inc. (Environmental Systems – Laser Radar)

LEOSPHERE is 100% specialized in LIDAR (laser-radar) remote atmospheric observations. LEOSPHERE offers a dual range of aerosol LIDAR and wind LIDAR systems and has clients in several application fields, such as meteorology, air quality monitoring, atmospheric research, wind farming, and air traffic management.

LEOSPHERE Lidar systems are compact, transportable, eye-safe, unattended and easy to set up with unmatched performances tested by independent organizations and ideally designed for meteorological activities.

The EZ Cloud & Aerosol Lidar is a real-time all-in-one remote-sensing meteo station which can provide information about:

- Multiple cloud & aerosol layering
- Cloud coverage
- Phase of the cloud
- Water vapour mixing ratio
- Fog, rain and visibility
- PBL tracking

The Windcube™ is a wind profiler which allows the user to obtain many components of the wind (real-time wind coordinates, radial wind speed variance, horizontal wind speed and direction average, turbulence data...). Upgradeable to high range (2km) and 3D wind mapping, the Windcube™ provides the flexibility of a mobile sensor and the performances of a 200m met mast with cup anemometers.

BRGM (Environment Management)

The BRGM is France's leading public institution in *Earth Sciences field for the sustainable management of natural resources and surface and subsurface risks*. BRGM's objectives are:

- To understand geological processes, develop new methodologies and techniques, and produce and disseminate relevant high-quality data.
- To provide the necessary tools to manage soils, substrates and natural resources, prevent natural risks and pollution and support public planning policies.

The ten thematic areas BRGM present in are *Mineral resources, Water, Development planning and natural risks, Geological mapping, Geothermal energy, Geological storage of CO₂, Contaminates land and waste management, Information systems and Post-mining.*

L'EAU PURE (Water & Waste Water Management)

Since 40 years, L'EAU PURE has used its knowledge in water treatment for small and middle sized government agencies, private individuals and industrials. L'EAU PURE helps in planning and offers *adapted solutions for needs in drinking water, urban waste water and industrial water* in France and abroad. L'EAU PURE, is specialized since more than 15 years in industrial waters treatment. It develops innovating solutions essentially based on automatism and membrane separation techniques (*micro, ultra and nanofiltration or reverse osmosis*). L'EAU PURE also deals in *Pumping / Rain and overflow treatment, Biogas storage tanks* and lots of products and equipment related to Water purification.

SEURECA (Environment Consultancy Services)

SEURECA is the international consulting engineering firm of Veolia Water, the water division of the Veolia Environnement Group. SEURECA offers all kind of *services in water, sanitation and environment engineering* from the identification stage to the elaboration of master plans, detailed design, tender documents, supervision of works and technical assistance. The vast experience gained from prestigious projects carried out both nationally and throughout the world (Riyadh, Baghdad, Cairo, Alexandria, Nairobi, Lisbon, Saint Petersburg, Lima, Manila, Paris, etc.) enables SEURECA to *offer comprehensive consulting services to a wide spectrum of clients,*

including national and local authorities, and diverse public or private bodies. Its integration within a huge operator Group enables SEURECA to provide a unique point of view, both engineering and operation oriented. It is therefore particularly experienced in organizational and technical assistance projects. SEURECA also provides expertise in the four sectors of the Veolia Environment Group: *Water, Waste Management, Transportation and Energy.*

OPTIS (IT and Engineering Consultancy Services)

OPTIS is the world leading software editor for the scientific simulation of light and human vision within a Virtual Reality Environment. Its PLM integrated solutions allow designers, ergonomists and engineers to simulate and optimize lighting performance, product appearance as well as the visibility and legibility of information on Human Machine Interfaces, in a fully-immersive environment. OPTIS has delivered more than 5500 licences to 1500 customers in 36 countries worldwide. Users include most of the major automotive, aerospace, electronics, white goods and lighting manufacturers, as well as architects, universities, research laboratories and defence agencies. They use the SPEOS technology to design, simulate and visualise in a Virtual Reality environment, products as diverse as automotive lighting, mobile phone screens and keypads, dashboard and cockpit displays, LCDs, LEDs, luminaires, and optics for industrial vision and medical applications.

OPTIS enables manufacturers to:

- reduce their use of materials and energy by replacing their physical prototypes by virtual mock-ups.
- make their products more energy efficient.
- replacing incandescent by LED light sources
- reducing the size of their products while maintaining their lighting performance – thereby reducing the amount of materials and energy necessary for their manufacture.
- optimize the position of solar panels, design solar sensors, and optimize how your product, or building, makes use of natural light.

OPTIS' light and optical simulation software is the industry standard, and is successfully

deployed at major automotive, aerospace and electronic manufacturers throughout the world.

OPTIS is confident in being able to address India's growing industrial needs and its energy demands. Our innovative solutions are designed to optimise efficiency and minimise consumption in any light system, whether it be the interior or exterior lighting of a car, the backlighting of electronic goods or the design and layout of new buildings.

OPTIS look forward to supplying high performance simulation software across the varied Indian marketplace, ranging from the emerging architectural and automotive sectors to the established military, nuclear and defence industries.

3MW (Green Energy Production and Water Management)

3MW's *Multiple-effect drying & condensation (MEDC) technology allows for fresh water production from sea or brackish water with 100% solar energy.* With a modular design and a robust and very simple operative mode, it is particularly fitted for individual, hotel, dispensary, life bases (NGO, platform, building site...) & small communities requiring capacities ranging from 0.1 upto 10 m³/day.

3MW presently seeks partners for on site pilot plant demonstration: end users, equipment suppliers or engineering companies. On next step 3MW is looking forward to build licensing and/or distribution long term contract.

REEL Handling and Lifting Equipment Systems
(Construction)

REEL came into being in 1946 and is an independent industrial business whose story is closely entwined with that of nuclear power that developed, accompanied and shaped its corporate culture. True to its original trade — *hoisting and handling with travelling cranes* — the Group has developed a development strategy to meet market trends. It thus focuses on sector-by-sector offers with a full range of services that go from the drawing board through to commissioning and maintenance. With presence in four continents, *REEL is active in defence, Energy, Metallurgy, Aeronautics and related industries.*

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