Additional solutions
Shanghai Chemical
Industry Park (China)

SUEZ ENVIRONNEMENT IS HELPING CHINA TO MEET ITS SUSTAINABLE DEVELOPMENT CHALLENGE

As a leader in the environmental services field, SUEZ ENVIRONNEMENT is supporting China's sustainable development efforts and is working with local partners in order to improve environmental protection. This is demonstrated in Shanghai at the largest industrial platform in Asia, the Shanghai Chemical Industry Park (SCIP).



SCIP Incineration plant by night.
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Welcome to China! Even though economic indicators are negative worldwide, the soverign state has been lining up double-digit growth rates almost continually for over 30 years. China is in the process of becoming the leading world power by 2016, according to the OECD. Meanwhile, population growth has not lagged behind over the last century. China's 1.3 billion inhabitants make it the most populous country on earth. However, in return for this strong economic and population growth, environmental issues become more and more prominent. Indeed, the production of industrial or household waste goes hand in hand with growth. The challenge for China is therefore to link its development to a genuine environmental policy. The country is gradually taking stock of these requirements and is supporting this growing awareness by tightening its laws on environmental issues. Significant progress has therefore been made in preventing environmental risks over a very short time frame. SUEZ ENVIRONNEMENT has been helping China with its sustainable development initiative for over 20 years and is enabling it to reduce risk thanks to high quality environmental facilities.

SUEZ ENVIRONNEMENT and China: a winning duo

Spotlight on Shanghai, which literally means "on the sea" in Chinese and has 23 million inhabitants. Shanghai is one of the world's largest mega-cities and is the financial centre for the Asia-Pacific Region. Buildings and skyscrapers stretch as far as the eye can see. The buildings thin out as you travel towards the south of the city. Then, once you have travelled around 60 kilometers, you see the sea in the distance. We are facing Hangzhou Bay. The sea port is on the left and the Hangzhou Bay Bridge, the longest cross-sea bridge in the world, is on the right. The bridge connects Shanghai and Ningbo, the two largest port areas in China. From here we can see the imposing Asian industrial petro-chemical platform, the Shanghai Chemical Industry Park (SCIP). With a surface area of 30 km^2, the SCIP is the largest industrial petro-chemical platform in Asia and one of the four largest industrial parks in the world. The giants of the chemical industry operate there side-by-side. The park was planned in 1996 and building began in 2002. The park, which is based on the sustainable development principle, rapidly became a model for the Asian continent. The companies, which were grouped together there in order to limit pollution, are complementary to one another. This grouping demonstrates China's determination to take things in hand and to roll up its sleeves by fostering synergies. The aim is to encourage the sharing of infrastructure and services via the joint management of waste water and waste, with the goal of developing an efficient operation and of limiting the impact on the environment as far as possible.
This is where SUEZ ENVIRONNEMENT becomes a part of the new Chinese development story. The aim is to help roll-out the industrial petro-chemical park's huge potential via SCIP SITA Waste

Services (SCIPSWS)[1] and to expand alongside China. In fact Ruan Yan Hua, the Head of SCIP's Administration Committee and the Chairman of SCIP Development Co. Ltd, is fully aware of this fact. In his opinion, "Protecting the environment is an absolute priority for our Government. We are delighted to have SUEZ ENVIRONNEMENT as our partner for the Shanghai Petro-Chemical facility, as it guarantees us the benefit of its technologies and skills in order to deal with the industrial discharges and the hazardous waste generated by the facility's companies in an effective manner."

Seeing, knowing and being able to make everyone's efforts converge

The facility is subject to strictenvironmental requirements and is littered with sensors aimed at avoiding any risk of pollution. This is because the park's goal is zero waste. Meanwhile, SUEZ ENVIRONNEMENT manages the waste generated by the industrial activities thanks to a modern recovery unit, via SITA, its subsidiary, or via SCIPSWS. 60,000 tonnes of hazardous waste are processed per year. The incinerator was inaugurated in July 2007 and is currently the largest one in China. Waste-to-energy recovery enables the companies in the industrial park to be supplied with power and helps reduce their energy consumption to a significant extent. The incinerator is the only one in Shanghai to have obtained an operating licence for the incineration of industrial waste from the State Environmental Protection Department. The unit actually provides exemplary safety levels: the incinerator's emission and treatment standards are equivalent to those imposed by European legislation. We can therefore understand the satisfaction of Jean-Louis Chaussade, Chief Executive of SUEZ ENVIRONNEMENT, who is delighted to be a part of this great journey: "SUEZ ENVIRONNEMENT has become the first company in this sector to be ISO 9001:2000 certified for its technological capabilities. This is real recognition of the Group's expertise in research, operational assistance and service provision".
As one of China's preferred partners since the end of the last century, SUEZ ENVIRONNEMENT has taken the interconnection and increasing complexity of modern societies on board and is taking up the new challenges facing the sovereign state towards which all energies are now converging in a serious way.

For more

www.suez-environnement.tv/fr (write « SCIP » in the search engine)

[1] The result of a partnership between SCIPDC, SITA Waste Services (a SUEZ Environnement) subsidiary and New World Services.