

INDUSTRIES

REFERENCE SHEET



when communication is **critical**



SHELL UK OIL, UK **STANLOW MANUFACTURING COMPLEX, WIRRAL, UK**

Zenitel has recently completed two separate critical communication systems at Shell Stanlow Manufacturing Complex on the Wirral. Stanlow processes 11 million tonnes of crude oil annually. Both systems installed at Stanlow are based around the AlphaCom exchange, the first a vital site safety system, the second, a gate entry system offering advanced access control functionality. The AlphaCom system allows the central control room to conduct roll call of all departments as well as group call and call facilities. The Stanlow intercom stations are positioned in a variety of noisy testing environments and at entry turn styles and vehicle barrier points; therefore, superior audio quality level and clarity were key specifications.



TIANWAN & QINSHAN NUCLEAR POWER STATIONS **CHINA**

BNSC (Beijing Nera Stentofon Communication) has been very successful in selling STENTOFON AlphaCom intercom system and is currently leading the market in the Nuclear Power sector in China. Tianwan Nuclear Power Station is the largest cooperative project between Russia and China and located in Lianyungang, a coastal city in east China's Jiangsu Province. Meanwhile, Qinshan Nuclear Power Station has seen in its latest phase, the largest business venture between Canada and China. On both sites, the main focus is Safety and Security. The AlphaCom system is well suited for its intercom and broadcasting functionalities and more than hundred industrial stations are installed at these two sites alone.



MOËT & CHANDON **EPERNAY, FRANCE**

This renowned French producer of champagne is an established customer and has had STENTOFON intercom systems installed in the 'vat house' for many years. Moët & Chandon choose STENTOFON equipment because it fits well with their key specifications: mechanical robustness, corrosion resistant and clear sound - even with a very noisy background. The filling of vats is done from tankers or other vats that are located quite far from the filling vat itself. The personnel situated at both ends therefore need to be able to communicate with each other without any risk of spoiling the precious beverage. The communication must be clear, reliable and fast. It is this sort of reliability that has been appreciated over the course of time.



GOODYEAR TYRE & RUBBER PLANT **TOPEKA, KANSAS, USA**

To provide effective communications for over 1,900 employees in extreme environmental conditions can be quite a challenge for paging and emergency communications. The Goodyear plant in Topeka manufactures tyres for earthmover and heavy industrial equipment. Some of the potential hazards in the plant include fires that can flare up within the hot environment, and a fine carbon dust from the manufacturing process that often settles inside the plant. With these emergency situations present, explosion-proof and hazardous area approved stations were chosen from Zenitel. An industrial STENTOFON system is used for day-to-day communications and emergency paging. A two-way radio interface and an overhead paging system is connected to the system for additional coverage.



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 **BOTNIA S.A. PULP MILL**
BOTNIA, FINLAND

Botnia's newest pulp mill opened in November 2007 and became one of the most modern mills in the world. Designed with the most recent technologies available, the mill operates in compliance with the strictest standards set by the European Union and Uruguayan legislation. Working with the company from 2000 to 2009 to meet strict company and legislation standards, the mill uses a single STENTOFON AlphaCom E20 IP exchange to provide gate to control room communication for a number of its paper factories.



 **THE SHOUGANG GROUP, CAOFEIDIAN COAL WHARF AND THE ORE WHARF**
CAOFEIDIAN, CHINA

Caofeidian is mapped to become China's largest steel production base by 2010. The project of Caofeidian Digital Port adopted a wireless dispatch communication system based on the STENTOFON AlphaCom E communication system from Zenitel. In this wireless installation, AlphaCom E was easily integrated to a Chinese mobile broadband wireless access standard. Caofeidian Ore Wharf has been using a STENTOFON paging and communication system since December 2005 while Caofeidian's Coal Wharf has recently commissioned a STENTOFON AlphaCom E Paging and Communication system. It operates alongside a second wireless Paging and Communication system using McWiLL/SCDMA main broadband wireless access technology. Six further projects are located right across the site.



 **MEYDAN PROJECT**
DUBAI, UNITED ARAB EMIRATES

In two and a half years time Dubai would have completed its state-of-the-art horse racing city called Meydan. This racecourse will be the largest in the world and will have an entire city built around it. The STENTOFON AlphaCom E intercom system has been designed to provide critical communication between the security personnel and master intercom stations located at the control room, and also between the security personnel and the elevator communication sun-station kits in emergencies. AlphaCom E shall provide communication both under normal circumstances and in emergencies. The communication system comprises an AlphaCom E7 exchange capable of handling 12 standard DTMF telephones, 12 IP stations and a total of 120 IP master stations and substations.