

**Realty Automation & Security Systems Pvt. Ltd.**

2nd Floor, Karanjkar Estate, Survey No. 11/11, Nanded Goan,
Pune - 411041, India.

Phone no.: 9011033259 Fax: 91 20 24339628.

Website: <http://www.vighnaharta.in>

Introduction

Bakrie & Brothers is one of the biggest and most successful Companies in Indonesia. They are active in Coal Mining (2nd biggest coal exporter in the world), Oil & Gas, Agriculture, Metal, Real Estate, Telecommunications and more.

PET intends to significantly expand its existing Petroleum storage facility for PT Petro Storindo Energi at Sangatta located in East Kalimantan from 10,000 cbm to 75,000 cbm including the construction of a Fixed Mooring Dolphin & Subsea PLEM facilities. The facility is located within the premises of Kaltim Prima Coal (KPC) which is a subsidiary of Bakrie & Brothers as well.

PT Oiltanking Nusantara Persada is a part of Oiltanking GmbH, one of the world's leading independent Storage providers for Oils, Chemicals and Gases. Oiltanking owns and operates 72 Terminals in 22 countries with a total storage capacity of more than 19.6 million cubic meters. It is one of the group Companies of Marquard & Bahl (M&B), headquartered in Hamburg, Germany and has emerged as world's second largest independent terminalling service provider.

PT IOT EPC, Indonesia, a professional and technical solutions provider for Engineering, Procurement & Construction (EPC), Terminalling, Upstream and Renewable Energy Services has been engaged as EPC Contractor for onshore facilities of the above mentioned project.

About Project

This fuel terminal stores & handles highly flammable liquids. A high integrity of the system design was essential to protect the assets & ensuring human safety which we have ensured.

Our responsibility was for Design, Engineering, Integration, supply, testing (at works /site) inspection and commissioning/supervision during Commissioning of the item stipulated in the specification, data sheet and all other relevant.

Being site at remote location our detail engineering are very challenging as nothing will be available at site and design & supply has to incorporate each & every components related to entire solution.



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Access Control Systems

Access control system is an integrated solution that consists of hardware and software designed to control entry into selected areas and manage movement of people/vehicles within. The system is designed to increase security by defining access permissions based on area and time for each user and maintaining a log of all events

Material we Have Used to make it more innovative in terms of Safety.

Access Control Reader ViRDI AC 1000SC----it is based on TCP/IP network method that allows endless expansion between terminals and servers or terminals and terminals. Easy to install and operate.

Flap Barrier MPR 112 The MPR series is designed to control pedestrians entering or exiting restricted areas, usually under surveillance, in low security situations.



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Personal surveillance is therefore recommended as the barrier can be breached

Boom Barrier MAGNETIC ACCESS PRO-LRA06000 MHTM™ Microdrive barriers impress with sophisticated and enduring design. The modularly designed housing made of extruded aluminum profiles and a base frame made of stainless steel (both powder coated) offers best protection against corrosion.

FIRE ALARM SYSTEM

It is designed to detect the unwanted presence of fire by monitoring environmental changes associated with combustion. In general, a fire alarm system is either classified as automatic, manually activated, or both. Automatic fire alarm systems can be used to notify people to evacuate in the event of a fire or other emergency, to summon



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emergency services, and to prepare the structure and associated systems to control the spread of fire and smoke. Fire alarm systems have become increasingly sophisticated and functionally more capable and reliable in recent years. They are designed to fulfil two general requirements: protection of property and assets and protection of life. As a result of state and local codes, the life-safety aspect of fire protection has become a major factor in the last two decades. There are a number of reasons for the substantial increases in the life-safety form of fire protection during recent years, foremost of which are

1. The proliferation of high-rise construction and the concern for life safety within these buildings
2. A growing awareness of the life-safety hazard in residential, institutional, and educational occupancies.
3. Increased hazards caused by new building materials and furnishings that create large amounts of toxic combustion products (i.e., plastics, synthetic fabrics, etc.).



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4. Vast improvements in smoke detection and related technology made possible through quantum advances in electronic technology.

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FIRE ALARM PANEL Honeywell -Esser IQ8M: The modular IQ8Control M fire alarm panel uses proven technology and fulfils the highest security requirements for the comprehensive protection of premises. Thus, it is just as suitable for use in medium-sized premises with complex security requirements as it is for premises, which are spread over a wide area and are networked.