

Mong Duong II



Vietnam is one of the great growing economies in South East Asia and as with most industrialisation the need for stable power supplies is critically important in underlining economic growth. When completed, the Mong Duong II coal power station, currently under construction in the northeast of the country, will be Vietnam's biggest power plant to date and a sign of the investment into the power infrastructure in this country.

The Mong Duong II is said to typify the level of investment in Vietnam's power sector. Things are changing all over the region and power is one of the industries where experience, multinational network and a complete coatings range can help add value for both the owner and the main contractor involved in any large project. Mong Duong II, with a capacity of 1,120 MW, is a substantial project in terms of size for Vietnam.

The US\$1.95 billion project is located in Vietnam's Quang Ninh province and financed, in the majority, by the US independent power producer AES, who own a 51% equity in the project¹. Korean firm Doosan Heavy Industries is the engineering, procurement, and construction (EPC) contractor, responsible for designing, building, and commissioning the project. Upon completion of the project and following its commission in 2015, the plant will supply electricity for 2.25 million households throughout Vietnam².

AkzoNobel are supplying a range of high performance coatings to provide anticorrosive protection and aesthetics, as well as providing passive fire protection for safety and asset protection. For this particular project, the anticorrosive systems include Interzinc® 22, Intergard® 475HS and Interthane® polyurethane. For passive fire protection, Chartek® 1709 was used. Not only does it provide corrosion protection and fire protection in a single system, but it has a greatly reduced thickness and lower installed weight compared to many other passive fire protection systems.

As with many of the other power projects AkzoNobel is involved in, its global network of power market experts are working together for complete transparency. Understanding its customer's expectations has allowed AkzoNobel to add value as a paint supplier, delivering not only the products themselves, but also ensuring their customers' expectations on performance and service are met in the various countries of supply, including Vietnam and Korea.

The application of the coatings from AkzoNobel, to various packages, is still continuing, through to June 2014.

AkzoNobel has a wide range of coatings for power facilities and equipment. The range helps them to provide coatings not only for structural steel, but for other areas, where other coatings suppliers are either unable to provide a complete range or the experience to give peace of mind to power facility owners. This includes:

- Tanks and secondary containment linings
- High temperature pipes and equipment coatings
- Cooling water pipe - internal and external coatings
- Heavy duty coatings for areas of high abrasion
- FGDs – chemical and temperature resistant products for absorbers, ducting and stacks
- Temporary protection for boiler tubing
- Chemically resistant linings for water treatment areas

¹ <http://newsroom.aes.com/phoenix.zhtml?c=202639&p=irol-newsArticle&ID=1602453&highlight=mong%20duong>

² <http://www.doosan.com/doosanvina/en/pressRelease.do?cmd=viewPressRelease&no=20120808113325574091>