



## Self unloading general cargo vessel

### Ferus Smit Shipyards



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#### Eekels Delivered and Installed:

- Electrical installation
- "EVE" Frequency drive for bowthruster (make Eekels)
- "EAS" Engineroom alarm system (make Eekels)
- Bridge console, MCC cabinets and Switchboards (make Eekels)
- Lighting installation (make Aqua Signal)
- Fire alarm installation (Tyco Integrated Systems)

#### General data of the vessel:

Length over all	: 113,5m
Breadth moulded	: 15,85m
Depth	: 10,46
Deadweight	: 7670T
Voltage	: 3x440V, 60 C/s 3x230V, 60 C/s
Aux. Generators	: 2x 350 kW
Em.Generator	: 74 kW
Shaft Generator	: 350 kW for shipnet and 384 kW for bowthruster supply
Main Engine	: 3840 kW
Class	: BV
Yard	: Ferus Smit Shipyards
Owner	: Thun
Delivery date of vessel	: July 2006

July 2006 Ferus Smit Shipyards delivered the 'Sunnahav' to Swedish ship owner Thun. The 'Sunnahav' is the first of two self-unloading Vessels capable of unloading it self by means of a cargo scooper installation.

This Scooper installation was delivered by a Swedish company and cabled by Eekels. The scooper installation consists of scrapers, a bucket elevator and an overboard conveyor belt. To control the installation a switchboard room and a cargo control room are foreseen on the midship.

The vessel is built according to the rules and regulations of Bureau Veritas.

Eekels Elektrotechniek BV was responsible for the engineering, manufacturing, outfitting and commissioning of the complete electrical installation with exemption of the scooper installation. Eekels supplied all electrical "Eekels made" switchboards and control desks including our own "EAS" engineroom alarm system and a bowthruster drive by means of an Eekels "EVE" frequency converter.

