



# Prime power

## > Case History Indusign

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### **Where:**

Adegem, Near Ghent, Belgium

### **What:**

Two enclosed C400D5 generator sets containing NTA855-G4 engines and one enclosed C500D6 containing a QSX15-G8 engine.

### **Purpose:**

Provision of reliable source of prime power to support Indusign's E-cranes for bulk material handling operations.

### **Primary Choice Factors:**

- Proven reliability and efficiency of Cummins Power Generation products.
- Cummins reputation for flexibility and high standard of customer service and support.

### **Cummins helps Indusign's E-Cranes reach new heights**

ADEGEM, BELGIUM – Indusign NV, a state-of-the-art engineering company, headquartered in Adegem, near Belgium, provides a wide range of engineering services and products for the heavy equipment industry. Founded in 1990, Indusign's core business involves the engineering, assembly and commissioning of the Equilibrium Crane (E-Crane), a revolutionary and multifunctional all-hydraulic crane.

Designed for bulk material handling, storage, process feeding at ports, harbours, scrap-processing facilities, and any where high production handling of bulk materials is required, the E-Crane is especially well suited for heavy-duty production cycles and difficult working conditions. The E-Crane features an unprecedented reach of up to 150 feet, lifting capacities of over 30 US tons, push down force equal to 50% of the rated capacity, and significantly reduced power consumption and operating costs.



Cummins C500 D5 generator

All E-cranes are constructed according to the Principle of Equilibrium, and most are equipped with an enclosed generator set. The installation can be executed with a switch between shore power and generator output.

In the past the generator sets for the equipment were delivered by another supplier. Cummins Power Generation stood up to close scrutiny during the final selection process, beating off competition from rival brands to win the order. The contact was awarded largely as a result of Cummins Power Generation's proven product reliability, combined with exceptional after sales service and support. Another consideration for Indusign was Cummins Power Generation's products ability to perform well in remote and often difficult conditions.

Cummins supplied two enclosed C400D5 generator sets powered by NTA855-G4 engines and one enclosed C500D6 powered by QSX15-G8 engine, for the US market. Modifications to the standard generator sets were partially done by Cummins and partially by the customer.

**Cummins modifications included:**

- Engineering and assistance for the Indusign modifications
- Heavy duty air cleaner
- Three-way valves to connect additional fuel tank
- Exhaust modification (horizontal outlet)
- Battery disconnect switch
- Additional E stops and alarms
- Remote monitoring and remote start/stop
- Commissioning and testing once equipment is finished

Indusign also has two other subsidiary companies that provide technical support and sales management for all E-Crane related activities in Europe and America - E-Crane International Europe BV in Oud Gastel in the Netherlands and E-Crane International USA in Galion, Ohio.

For more information about integrated prime and standby power systems, contact your local Cummins Power Generation distributor or visit [www.cumminspower.com](http://www.cumminspower.com)

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