



CASE STUDY

# **BELGIAN ARMY ORDERS THIELMANN WEW FUEL DISTRIBUTION SYSTEMS**

MAY 2018

**T THIELMANN**  
THE CONTAINER COMPANY

## THE REQUIREMENT

The Belgian Ministry of War and Ministry of National Defence sought to acquire new fuel tank containers in October 2014 under an open competition. Information was sought from industry on the supply of 36 Deployable Fuel Distribution Capacity (DFDC) tank containers to meet the in-theatre fuel requirements of the Belgian Army.

## THE CONTRACT

Following a successful bid, THIELMANN WEW was awarded the contract to deliver the 36 DFDC units in October 2016.

## THE SOLUTION

Based on THIELMANN WEW's successful Heavy Vehicle Module – Fuel (HVM-F) system, the DFDC has been designed to meet the exacting requirements of the Belgian Army. The double-shell tank container is fitted within a standard ISO container frame and will be transported on existing Belgian Army 8x4 hooklift trucks and 6x6 trucks (toplifted on corner castings), and trailers. The system delivers 8,000L of diesel or kerosene directly into vehicles or other containers via twin dispensing hose reels with 12m hose each.

## THE DESIGN

The system is built within a 20ft standard ISO container frame, and will be transported on existing Belgian Army trucks and trailers. It is compatible with the hook lift system employed by the Belgian Army.

## THE FINER DETAILS

Each tank container is equipped with overfill protection and level sensors, an electric power generator GENSET (6 kVA, 400/230 V, 50 Hz), and pump able to dispense fuel at 280 – 300 L/min at maximum flow rate. Other technical features include transfer pumping and tank self-load/unloading capability.





## DELIVERIES

Delivery to the customer began in September 2017 and will run through to May 2018.

## WHAT THE CUSTOMER SAID

“THIELMANN WEW was able to deliver the DFDCs as scheduled on the delivery scheme. Throughout the whole process all the contract negotiations went very smoothly and the quality and delivery of the DFDCs was flawless” - Jan Van der Elst, quality assurance representative of Belgium’s Direction Generale Material Resources.

## WHAT THIELMANN WEW SAID

“This is the first time we have worked with the Belgian Army and we are very pleased to have fulfilled the order in line with the schedule. We are the only company able to deliver these high-specification fuel tank container systems and we look forward to seeing them enter into service with the Belgian Army in the very near future” - Björn Stolz, Managing Director, THIELMANN WEW.



## FAST FACTS

**Frame dimensions:** 20'x8'x7' (standard ISO container)

**Frame material:** Stainless steel S355 / S235 / J2G3

**Tank capacity:** 8,460L (nominal) / 8,000L at 95% full (max filling level)

**Tank material:** Stainless steel 1.4301, double shell

**Pressure:** 1.5 bar (max working); 2.25 bar (test); max. 0.21 bar (external)

**Additional safety features:** Overfill protection, VOC sensor

**Electric power generator GENSET for operating the pumping system:** 6 kVA, 400/230 V, 50Hz  
(diesel/kerosene operated motor)

**External electrical connection for operating the pumping system:** 3~400V, 50Hz, 16 amps

**Pump performance (maximum):** 280-300 litres/min

**Tank lifespan:** 20-25 years with maintenance



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