

CASE STUDY



DANSKE FRAGTMÆND AMBA, DENMARK



CAJAN RITE-HITE WAS SELECTED BY DANSKE FRAGTMÆND A/S TO SUPPLY A FULL PACKAGE OF CAJAN TELESCOPIC BELT CONVEYORS AND DOCK PRODUCTS

Danske Fragtmænd amba (Danish Carriers Funen) were looking for a supplier that could

- improve the safety and ergonomic conditions for employees
- provide equipment that would make unloading faster and more flexible
- provide an optimal energy saving solution when the door is open

They would prefer one-stop shopping, being able to purchase a complete package from one supplier. The main goal was to reduce the time taken to unload a 40-foot container. With the existing solution unloading this container would take three operators 3 hours.

The Caljan Rite-Hite Solution

The solution Caljan Rite-Hite provided comprised SAFE-track telescopic conveyor, type CB4-6/10-800 with the following options:

- hydraulic telescopic movement
- droop snoot, to provide ergonomic work conditions
- tail conveyor with hydraulic reversible belt
- special side guides and stop bar with integral light

The CB4 is from the new SAFEtrack generation, giving the customer the safest machine available on the market today. The options selected provide ergonomic operation and the guides ensure that packages do not fall off the conveyor.

Dock Product Solution

Products that increase comfort and safety, i.e. Industrial doors, Shelters, CoolMan ventilator fan, CoolHead, Dock Communication Lights and Wheel Guides have been supplied. The later is used to guide the driver into place for safe unloading/loading. Additionally an exchange signal has been established to ensure that the boom's telescopic operation is locked when the door is closed.

Benefits for the customer

With the SAFEtrack telescopic conveyors a single container can be unloaded by 3 operators in half the time previously taken.

The working environment has also been improved. Not only is the conveyor more ergonomic, lighting and fans provide greater employee comfort.

After just two months of operation, the operators are rather pleased. Both inside the container and at the rear end of the boom, they experience less stress. Physically the work is far easier, so they don't tire as quickly. Having just one supplier for the complete solution has made communication much easier. One project manager has supervised the project from the date of order right through to installation.

The Industrial Door and Shelter effectively seal the dock opening, which means that energy is saved.

The Wheel Guides and Dock Commander Lights guide the driver safely into place so that the container is aligned for loading/unloading, preventing accidents when driving forklift trucks into the container.

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Sven Bolding Jørgensen, Technical Manager, Dansk Fragtmænd Fyn

»As a result of the increased demand for distribution and storage facilities, Danske Fragtmænd Fyn (Danish Carriers Funen) are continuously expanding their storage

capacity in order to provide the best possible service for their customers. The rising amount of loose-loaded cargo in terminals, heavier loads for the employees to handle and demands for improved efficiency have rendered it necessary to analyse the working process of unloading containers.

The analysis has shown a desire and demand to improve the ergonomics for the employees as well as faster unloading of containers. As a consequence – and in order to meet this demand – we have purchased a specially equipped Caljan Rite-Hite telescopic boom conveyor with several ergonomic complementary features such as hydraulic height adjustment, separate adjustable front and tail conveyor etc.

Aside from improving the operating conditions notably for employees, with principle focus on safety and ergonomics, it has brought savings in the unloading process of 1½ hour per container, corresponding to time savings of approx. 50%.« says Sven Bolding Jørgensen. He adds »Finally, we have – as expected and with satisfaction – received an accept of the installation from The Danish Working Environment Service.

The cooperation between Caljan Rite-Hite and Dansk Fragtmænd has been extremely constructive and we can, therefore, recommend the company as cooperative partner for safe and ergonomic solutions in the loading and unloading zone.«

Danske Fragtmænd amba (Danish Carriers Funen)

is a national freight company operating 23 freight terminals and 20 storage hotels, spread around Denmark. The company has more than 2,400 vehicles making on average 40,000 deliveries daily.



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