

WORKING IN  
PARTNERSHIP WITH



automating and optimising the Stora  
Enso container stuffing operations



# LoadPlate

## The Client

Stora Enso is a global rethinker of the paper, biomaterials, wood products operating in the packaging industry. Their annual production capacity in sawn wood products is 5.6 million cubic metres.

## The Challenge

The managers at the Stora Enso Ybbs site in Central Europe were facing a situation where they needed to re-evaluate their container stuffing operations. The Stora Enso container storage and container transport were outsourced to a second party due to the small working space at the site. For container stuffing, the containers had to be lifted on the ground to allow two forklifts to move the products into the containers.

Now the management wanted to return the stuffing operations back to their own control and handling, and only outsource the container traffic. Naturally, an improved process was sought to increase efficiency and to lower the costs of the company's lumber loading operations. Automating the container stuffing operations was considered as a potential solution to this challenge.

## The Solution

Actiw introduced their pioneer container loading equipment LoadPlate to the Stora Enso managers. With the use of the LoadPlate solution, Stora Enso could lower their present loading process costs due to a partially automated process. The LoadPlate could be installed at the site and standard containers could be

brought to the LoadPlate by a subcontractor.

The change of needing to use only one forklift to move the lumber bundles onto the loading stage would allow enough space on site. After experiencing the efficiency of the LoadPlate with their own eyes the Stora Enso managers were convinced that the LoadPlate would bring a solution to their operative challenges.

Now the LoadPlate is staged at the Stora Enso site where the stuffing is taking place. With the new loading solution, the bundles of lumber products are collected by one Stora Enso forklift driver to the LoadPlate.

The subcontractor brings a standard container to the LoadPlate and the container is

then secured to the LoadPlate frame. As the load forming can be prepared before the container arrives, the actual loading of the products to the container takes normally less than five minutes. Due to this the truck turnaround times were remarkably reduced.

## Conclusion

Stora Enso is now performing their container stuffing operations internally. With the use of LoadPlate a larger number of containers can be stuffed in a day. The company was able to reduce its operational costs with decreased number of manpower and forklift working hours.

The former complexity of the forklift operations and the time pressure for employees was diminished as the load

preparations could be done and planned anytime during the working day, without the need to wait for the container. The short truck turnaround times that resulted from fast container stuffing also lowered the costs of the operations. The safety risks were dramatically reduced as fewer people are involved in the process and have practically nothing to do with the containers.

A considerably smaller risk for damage to the products and the containers was achieved, decreasing the number of complaints. Finally, lower maintenance costs and a greener performance.

The break-even was calculated to equal 2,500 containers and the payback time for the investment roughly 2-3 years. Today Stora Enso is also using LoadPlate in Finland & Sweden.

# if you have any questions, please get in touch!



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