



# INDUSTRY & MANUFACTURING



CUSTOMER CASE: DYNAPAC AB

**HelgeNyberg AB**



## SUCCESSFUL LEAN-PROJECT WITH KIT TROLLEYS

**Dynapac was founded in 1934 and has its head office located in Wardenburg Germany, as well as sales offices in 16 countries all over the world. 351 people work in Karlskrona, where machines for compaction and paving projects are manufactured. Production facilities are also found in Germany, Brazil, China, USA and India. As for many other companies working with Lean based improvement projects, focus for Dynapac AB involved improved material flow, cost savings and efficient use of warehouse and production space. Ergonomics also played an important part.**

Daniel Rasmusson Project Logistic Developer and Maria Gummesson Logistic Developer at Dynapac AB summarise the improvement and the conversion to Lean Production as a extremely rapid and challenging experience, but with a very successful result.

– Everyone is affected by changes and it feels good that we're all satisfied. The personnel like the structure and we will use the same set-up with trucks and kitted trolleys for future projects as well. We are very satisfied with Helge Nyberg AB and Toyota Material Handling AB as partners in this project, says Maria.

### Ergonomics, Efficiency and Safety

When targets are set, a lot of questions follows, for example; What articles should be used in which step? Which articles shall be kitted? Which articles should be filled up by

suppliers? A lot of things must fall into place. Early in the project, it was made clear that there was not enough space for line side storage, and that trolleys should be used. At Dynapac, Daniel Rasmusson has been the driving force, and with the help of a small project group consisting of, among others, Maria Gummesson, a German project leader and collage students, they have been very successful.

Ergonomics and safety work well. In the warehouse, heavy articles are placed at an ergonomic height avoiding any lifting over shoulder height. Furthermore, aisles between warehouse shelves are separated so that truck and pedestrian traffic never collide.

### High Quality All the Way

Daniel had saved a brochure with solutions from Helge Nyberg AB, and already

after the first phone call it was decided using Ergobjörn Solutions with trucks and trolley trains were the solutions that Dynapac wished for.



– Helge Nyberg AB has been an important support to us. They are very willing, and have great expertise, in helping us with solutions, and they are fast and flexible. The quality is high concerning both products and delivery accuracy. We felt safe all the way, says Daniel Rasmusson.

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– It also means a lot that they have experienced other companies' reality, which enables them to present a lot of different suggestions on solutions, says Maria Gummesson.

A test trolley was quickly in position. Simple methods, such as marking the space required by different items with tape, made it easy and fast to reach a final decision upon the trolleys' design. The train is driven with a maximum of four robust trolleys. A smart function with automatic wheel locks makes it easy to disconnect any trolley from the train. By stepping on a pedal, the wheels are shifted from fixed to swivel, and the trolley can be manoeuvred in all directions.

**Pallet Trolleys with Heavy Kit**

Some departments at Dynapac AB have gone through big changes. For example the loading area has been moved to the opposite side of the facility. The effect has been positive and Daniel and Maria are

look forward to driving the trucks according to the calculated algorithms. Then, they will be able to measure the positive effects already seen. The improvement is constantly ongoing. The next coming project is to drive the trucks with heavy kits on pallet trolleys in the train.



The personnel is pleased with the trucks and the trolley train, and working with a Lean Production Perspective. The trucks and the kit trolleys worked excellently from day one.

## CONCEPT FOR MANY AREAS

Over 50 years' collective experience and knowledge of our customers' needs we have specialised in a number of areas. This allows us to offer the optimum solutions, the best service and the most secure collaboration.



**INDUSTRY & MANUFACTURING**

Helge Nyberg operates in both light and heavy industries. We have industrial solutions for the entire material flow.



**E-COMMERCE & ORDER PICKING**

With our long history and our location in a geographic area that is dense with mail order, and logistics and warehousing businesses, we have unique know-how and experience regarding order picking and third party logistics.



**HEALTH CARE & HOSPITAL**

All industries have different requirements and specifications regarding materials and professional equipment. The strictly regulated health care sector has certain specific requirements. We can meet these requirements.



**AUTOMOTIVE & VEHICLE**

The development of smart logistics is perhaps most advanced in the automotive industry. Helge Nyberg's solutions are part of this development.



**SERVICE & SUPPORT**

Our truck and trolley solutions are not only ideal for transporting baggage or materials, for instance at airports and trade fairs. They are just as frequently used as wheeled service points by technicians and installers, for example in factories.



**LEAN SOLUTIONS**

As specialists, we are happy to help you develop the most resource-efficient solution to your material handling needs – the right material, in the right place at the right time.

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