



INDUSTRY & MANUFACTURING



CUSTOMER CASE: ELECTROLUX LAUNDRY SYSTEMS

HelgeNyberg AB



TRUCKS AND TROLLEYS FOR MATERIAL HANDLING EFFICIENCY

Electrolux Laundry Systems customises laundry equipment for professional use in hotels, apartment buildings, hospitals etc The Head office is in Ljungby in Småland. Approximately 1,100 employees work on the production line in Sweden, France and Thailand. The goods are distributed through 19 sales offices worldwide

Customers are placing greater demands on a short lead time. The production manager Richard Karlsson, previously a production technician at Electrolux, was given the task of organizing the routines in the Swedish factory. He has tested different methods through trial and error and created a new structure for material handling efficiency. At an early stage he contacted Helge Nyberg and together with its design engineers they have developed a successful concept.

Streamline a more efficient work flow

– In 2005, the management team made the decision to work according to the philosophy of Lean Production, says Rikard Karlsson. In 2007 we started a pilot project to have more control

over the production line and to work with a clear structure in order to lower the turnaround time from order to customer and to have access to a greater assortment of materials.

–At the same time Helge Nyberg joined the co-operation and designed the first component of the component truck and trolley system, consisting of nine carriages drawn by an electric forklift truck. Instead of, as previously, having all the material in different pallet racks, which at times were difficult to find, the material began to be picked in the sequences of the carriages to be driven further by the trucks to the assembly point.

– The only thing that the assembly department now had to worry about was that the right truck and trolley came with the right material at the right time, just in

time. A great deal of time was saved and this resulted directly in the fitters having a more comfortable pace of work and they could focus on the assembly.

Towing Systems

– As the first production line was a success, I was asked how I wanted to proceed. I began to outline the next production line based on the requirements, location and quality objectives. It was now that the major physical change took place.

– Each year, we have adapted a new production line to Lean and currently we have four lines and a fifth in the pipeline for the same concept. From a pushing system, we have gone over to a system which pulls the material in trolleys by trains to the assembly point. Pull instead of push. An attractive system that minimizes overproduction and saves time

– Quality has increased significantly, as well as productivity and delivery reliability. With the help of trains from Helge Nyberg, material arrives on time and to the right place, says Rikard Karlsson. The size of the material has required a lot of special solutions. This adaptation and further development has taken place as a result of good cooperation.



Beneficial working methods

– The trolleys are divided into different compartments, making it easier for the fitters to get the material delivered at a good working height. Our cooperation in this project has been very enjoyable and stimulating for both parties, says Dan

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Karlsson, a salesman at Helge Nyberg. They now have a total of 80 trolleys and five towing trucks from us. Work is to continue on line five that is in the planning stage

at the moment and now both Electrolux executives and other companies will visit Electrolux in Ljungby to learn about the successful development of the Ljungby plant.

The basic principal in **Lean Production** is that products are manufactured in the best resource efficient way. Just in Time is an important part and is based on the principle that the correct component must arrive just at the right time and be

of the right quality. No materials are stored unnecessarily, which means a streamlined approach with major time and quality gains. This was inspired by Frederick Winslow Taylor, who in turn inspired Henry Ford. After World War II, Toyota

developed the concept further through the concept of Kaizen, continuous improvement, which assumes that no routine is perfect and that everything can be improved.

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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