

Skandlog, Norway



Skandlog is a leading independent 3. party logistics specialist in Scandinavia with full coverage of all Nordic countries. Skandlog offers its customers a complete package of Supply Chain Management solutions, with core businesses of beverages and white goods. In the beverage business Skandlog is the largest logistic operator in Scandinavia.

In Norway Skandlog has 20 Rocla AGVs handling the floor-to-floor pallet transportations of beverages. The huge warehouse is fully automated with 30 000 pallet places. Rocla AGVs are transporting beverages in to scaling and automated turntables to be stored in automated warehouse and out for shipping. Rocla AGVs were chosen to replace an older AGV system by another manufacturer.

“With the old system we saw a problem with a lack of efficiency and reliability. As soon as we upgraded to Rocla’s AGV system we saw an increase in the efficiency and reliability of our system and warehouse management all over. As a third benefit we also gained continuous operation with Rocla’s solution,” explains Stian Reiersen, Supervisor IT/Technical department.



“I would recommend Rocla’s system, it’s the future of automation.”
Stian Reiersen, Supervisor IT/Technical department, Skandlog



Bring Logistics, Norway



Bring Logistics, a leading third-party logistics provider in the Nordic region, uses Rocla's automation solution in their warehouse in Berger, near Oslo. Nine Rocla VNA AGVs handle the pallets in the very narrow-aisled racking area.

The 32,000-square-metre, highly automated Skedsmo Logistic Center opened in the spring of 2010. Nine Rocla VNA units, automated guided vehicles designed for facilities with narrow aisles, handle the pallets in the very narrow-aisled racking area. Automating such processes in the warehouse increases safety and reduces the operation costs.

The racking area where the vehicles operate contains, in total, 81,200 pallet places, extending to a height of 10.65 metres. The automated trucks pick up and leave their loads at a conveyor when transporting pallets into and out of the racking area. The transport capacity is 173 pallets an hour, with a maximum lifting capacity of 1,000 kg per pallet.

Safe load handling

Using Rocla AGVs in VNA warehouses minimises the risk of incorrect load handling. These AGVs handle the loads in the same way every time, and the risk of pallets falling is very low. Automation also reduces the need for personnel working in the same area, which limits the risk of a serious incident. The temperature in the Bring Logistics racking area is lower and there is less light than in a traditional warehouse with human-operated VNA trucks, factors that reduce energy consumption.

Rocla's automated guided vehicles use multi-method navigation in the Bring Logistics warehouse: laser navigation in the master aisle and inductive wire navigation in the narrow aisles. The AGVs are equipped with triplex masts and sideways telescopic forks as used in Rocla's manual narrow-aisle truck. Thanks to Rocla's modular design and use of standard components, the delivery time was shorter than in traditional automation projects. The time to return on investment in three-shift operation is less than two years.



"Automating pallet handling was a more cost-efficient solution than using a manual solution. We chose Rocla because Rocla was able to offer a proven technology concept to fit our demands related to safety and function."

Geir Nielsen, Logistics Director,
Bring Logistics

