

MEXO AS - Automated Legs for Swap Body Containers

automated legs that eliminate the current challenging tasks of swap body container placement

the challenge

Today's solutions for container legs are manual. These are placed underneath swap body containers and are attached during transport. It has been stated that the legs are inefficient to handle, and that the relating tasks can cause injuries. Injuries that occur as a result of today's manual handling are back, shoulder and neck problems, crushing injuries, people have in the worst cases become disabled and deaths have occurred. Drivers often experience that debris and ice must be removed before placing the legs on the ground. Removal is done by using sledgehammers which can be problematical in circumstances with extreme weather conditions. Considering rough surroundings and handling of the legs, the lifespan is considered being short and unsustainable.

the innovation

Mexo has designed automated legs that eliminate the current challenging tasks of swap body container placement. The company's goal is to produce a safe and durable alternative to the existing manual leg solution, in terms of mechatronic technology. Usage of our legs result in improved efficiency, safety and sustainability. We have used a self-designed cylinder with a 4-dimensional groove that, together with the motor, causes the legs to move in the perfect position for transport and unloading. The solution has been presented to Norway's largest transport company, which recognizes that the solution will work

how it was implemented

The solution is still under development and a prototype has been presented to key players. We are currently working on a letter of intent for the delivery of the product. We have received financial support from innovation Norway and won an innovation award for the solution we have developed

result

Mexo has an intention of developing future solutions that can improve work environments, based on the needs in such industries.

conclusion

Mexo has an intention of developing future solutions that can improve work environments, based on the needs in such industries.

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