



Thomson actuators help royal transportation research project reach new efficiency levels



A modified Thomson actuator delivered a high-powered system that produced twice the force of its predecessor and greater responsiveness without overheating.

Find the right linear actuator for your application >

Given the ease with which we can manoeuvre vehicles through winding roads and around tight corners, it may seem that there is little room for improvement of **modern power steering systems**.

The engineers immersed in over-actuated vehicle technology at Sweden's KTH Royal Institute of Technology and Integrated Transport Research Lab (ITRL), however, think otherwise.

They are working to determine whether **replacing conventional hydraulic steering technology with compact electromechanical technology** could bring performance, cost, maintenance, sustainability and flexibility advantages.

Read more about how Thomson electromechanic actuators have contributed in developing a milestone for future applications and how it is likely to be in industrial vehicles in which **high manoeuvrability** is important, such as **forklifts and cargo carriers**.

Read the whole article from PD&D magazine >

+ education/events



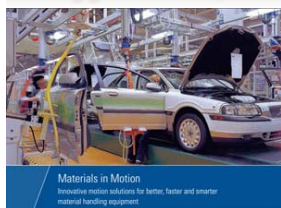
You missed the recent ball screw webinar, or you would like a quick refresher?

Sizing and selecting ball screw drives – standard and custom applications

Watch the webinar recording online now and get a **step-by-step guide through the ball screw design tree**, necessary considerations and parameters.

Watch the recording online now >

+ applications/tools/products



Optimal motion control products help save you time and money

In a modern production environment, **moving material quickly, accurately and efficiently** is a big challenge.

Detailed in its **"Materials in Motion" brochure**, Thomson has the products and know-how to help you design equipment that is better, faster and smarter.

Applications detailed in this piece include:

- Trucks and Mobile Lifting Aids
- Transportation of Car Chassis
- Palletising of Food Containers

- Vertical Lift Module/Automatic Storage
- Many more

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