

## Heavy Duty Shock Absorbers Improve Deceleration in Ski Lift Trolley Cars | Enidine Energy Absorption Application

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### Product Overview

A German based manufacturer of ski lift trolley cars was searching for a way to improve the deceleration of the moving cars when approaching the unloading station. The cable driven trolleys enter this area at a rate of speed in which jarring would occur without smooth deceleration. The cold and wet environmental conditions were also factors to be considered with this application. The customer contacted ITT Enidine Inc. for a possible solution.

### Product Solution

ITT Enidine Inc. suggested replacing their existing shocks with our Heavy Duty Large Bore Shock Absorbers. Utilizing a special compact design, these Heavy Duty (HD) shock absorbers smoothly and safely decelerate large energy capacity loads up to 8 million in-lb. per cycle. The results provided the customer with a safe and effective deceleration. The HD's also provided the customer with added security and increased lifetime of the application components.

### Application Opportunity

The ITT Enidine Inc. Heavy Duty Shock Absorbers should be considered for other applications requiring effective deceleration of large moving loads. Automated storage and retrieval systems as well as overhead bridge cranes are just a few of the many applications in which ITT Enidine Inc. HD products can successfully be used.

