

> Case study

Providing  
**safe access**  
for hazardous  
cleaning

COMPANY

Standard Steel

DATE

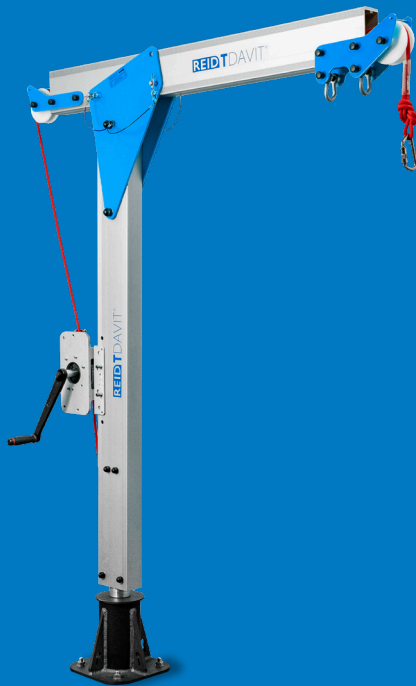
2021

LOCATION

Pennsylvania, USA

PRODUCT

TDAVIT Winched



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Standard Steel required their workers to complete routine cleaning and maintenance by safely accessing heavy forging press machines from underneath the system. The REID **TDAVIT** was the ideal solution to keep their workers safe whilst carrying out the task because of its quick and easy assembly alongside its usefulness as a secondary means of access and retrieval.

#### The background

Standard Steel are the only manufacturer of forced steel wheels and axles for freight railcars, locomotives, and passenger railcars in North America. From their headquarters in Pennsylvania, USA, they produce steel wheels using 10,000-ton forging press machines.

#### The challenge

Standard Steel routinely conducts cleaning and maintenance underneath their pressing machines within a press bit. The press bit is designed with access underneath via a permanent maintenance ladder, the team at Standard Steel required a secondary solution for access and retrieval to ensure the correct fall arrest protection is provided when personnel are underneath the machines conducting maintenance.

With multiple press machines and ladders onsite, the solution was required to be lightweight and easily transportable for each job. The team at Standard Steel got in touch with REID Lifting's distribution partner, Mazella Lifting, for a suitable solution that could provide safe access.

#### The solution

Mazella Lifting provided Standard Steel with a versatile and portable solution for access and retrieval scenarios across various areas of their site by recommending REID's winched **TDAVIT**. With a maximum lifting capacity of 1320lb, the **TDAVIT** is a two-piece system crafted from lightweight and durable aluminum. The absence of any tools required for assembly meant that just two people could assemble the system with ease, making it a portable and practical solution.

In addition, the **TDAVIT** comes equipped with a double shackle head for attachment of Personal Protective Equipment (PPE) and can also be used for attachment of a lifting device if required. This feature further adds to the system's versatility, making it an impressive addition to any worksite. The system comes with a carry bag, making it easy to store when not in use, ensuring it can be quickly deployed whenever required.

#### The feedback

"The **TDAVIT** provides an ideal solution for ensuring worker safety during routine maintenance and cleaning. With quick and easy assembly, even the maintenance team was surprised at how effortless it can be to provide a secondary means of access and retrieval."