

*Triton® Application Case Study***Use of Triton Vacuum Systems in Offshore Cleaning of Rig Platform Legs – Very High Lift Required**

The project was to demonstrate that Triton vacuum units could be used to lift garnet blast debris and paint partials 165' (50 m) up the leg of an Offshore Rig. A demo was set up in the client's yard using two "Triton 1500" Skid Vacuum Units, a Baghouse to filter the air, and a Collection Tank.



A crane was used to support 3" polyurethane hose to a height of 165'. The vacuum system raised the debris to the 165', and then pulled it down through 4" hose to the Collection Tank. Additional lifts through the tankage system made the total lift close to 200' (60 m). A recovery rate of 6000 lbs/hr was achieved during the demo. No additional air supply was needed.

Success was also obtained with using a single vacuum unit, and using 4" hose instead of 3", but the best rates were obtained with the dual units delivering an air flow of 3200 cfm (5400 cubic meters per hour) and using 3" hose for the lift. Expectations are that higher rates can be achieved, but as cleaning debris pick up is only expected to take a couple of hours every few days, rates are not as important as the ability to achieve the lift.

Triton Vacuum Systems are low cost, highly portable, and easy-to-operate. They are available in skid or trailer format, and driven by an electric motor or a diesel engine. Contact Triton at 225-637-3700 or at info@triton-industries.com for more information.

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