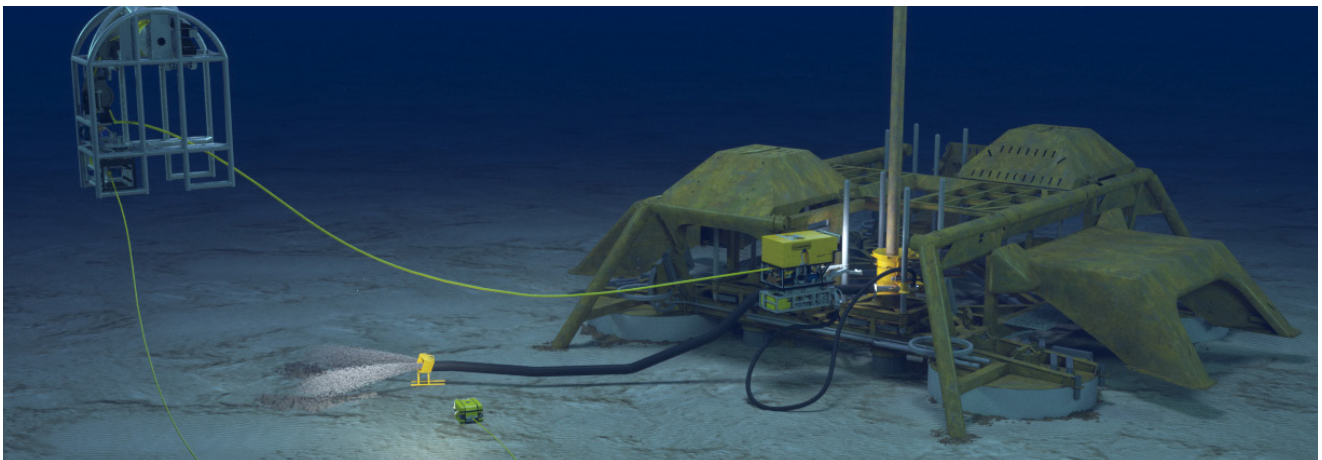


ROV Cutting Transport System (RCTS)

Supporting efficient removal of cutting debris during drilling operations

The highly versatile ROV Cutting Transport System (RCTS) combines remotely operated vehicle (ROV) services and drill cuttings removal technology to provide an integrated solution and, eliminate the need for additional onboard systems.

Adopting the RCTS provides the same functionality as traditional drill cuttings removal systems while requiring fewer crew members and less deck space.



FEATURES

Minimal topside and subsea footprint

Simplifies topside control and rigging

Reduces crew size

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The RCTS consists of compact skid units that are fully ROV-operated subsea. An ROV skid with a high-capacity water pump powers a suction module (SMO)/funnel ejector or a stand-alone ejector through a 49-ft (15-m) supply hose. Debris is removed through an exhaust hose connected to the ejector outlet.

Ejector capacity can be adjusted to avoid unwanted washout. The long supply hose gives the ROV enough flexibility to perform intervention tasks in parallel. The RCTS is easily integrated

with Oceaneering work class ROVs and drilling equipment interfaces.

A separate, neutrally buoyant, stand-alone ejector can be used on slots with integrated suction. The ROV can install the ejector to the template slip-on flange interface and connect the exhaust hose prior to commencing drilling operations.

An optional 6-in (15.2-cm) ejector may be fitted onto the RCTS skid to remove additional cuttings debris around the well bay slot.

Technical Data

Interface	
RCTS skid	Oceaneering work class ROVs
SMO	36 in / 42 in (91.4 cm / 106.7 cm); generic SMO design, customized adapters available
Stand-alone ejector	6 in in / 10 in (15.2 cm / 25.4 cm); slip-on flanges on subsea template

Dimensions (LxWxH)	
RCTS skid	110 x 54.3 x 33.1 in / 280 x 138 x 84 cm
6-in / 15.2-cm ejector	92 x 28 x 55 in / 234 x 71 x 140 cm
10-in / 25.4-cm ejector	63 x 15.7 x 17.7 in / 160 x 40 x 45 cm
Supply hose	4 in / 10.2 cm / 49 ft / 15 m (L)
Exhaust hose (lay-flat hose)	12 in / 30.5 cm / 328 ft / 100 m (L)

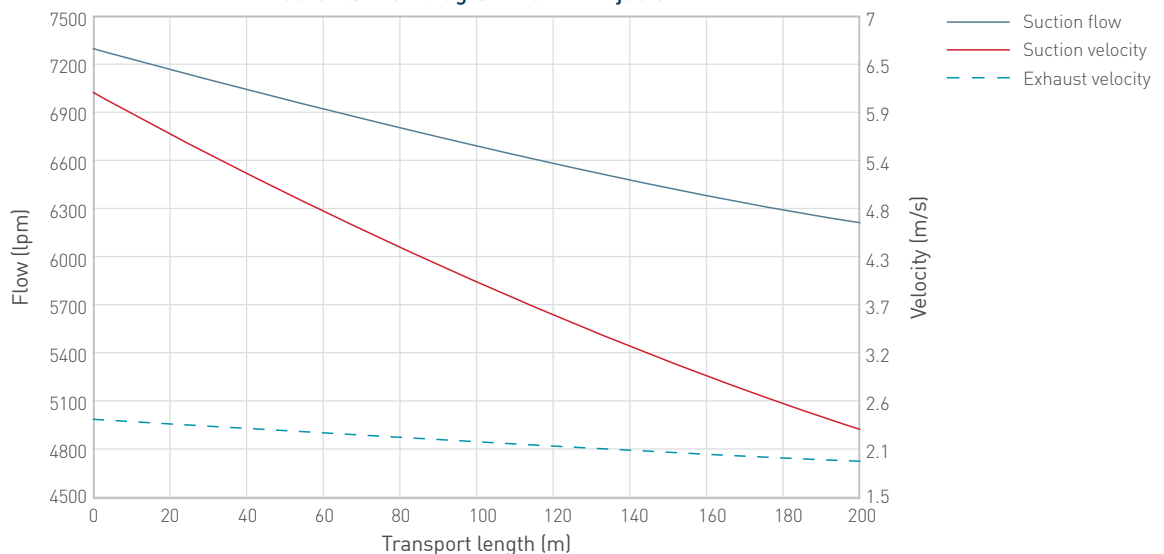
Weight	
RCTS skid	2,590 lb / 1175 kg in air
SMO	4,650 lb / 2110 kg in air 3,970 lb / 1800 kg in water

Transportation and Handling

The RCTS skid is attached to the ROV through a quick-connect mounting mechanism. The compact size and removable wheel set enables easy ROV hangar entry and hook-up to the ROV. The skid comes with a sling set for onshore/onboard handling.

The SMO is equipped with pad eyes for onshore/onboard handling and has crane hook interfaces for subsea lifting and handling.

Theoretical flow diagram - 6 in XL Ejector



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