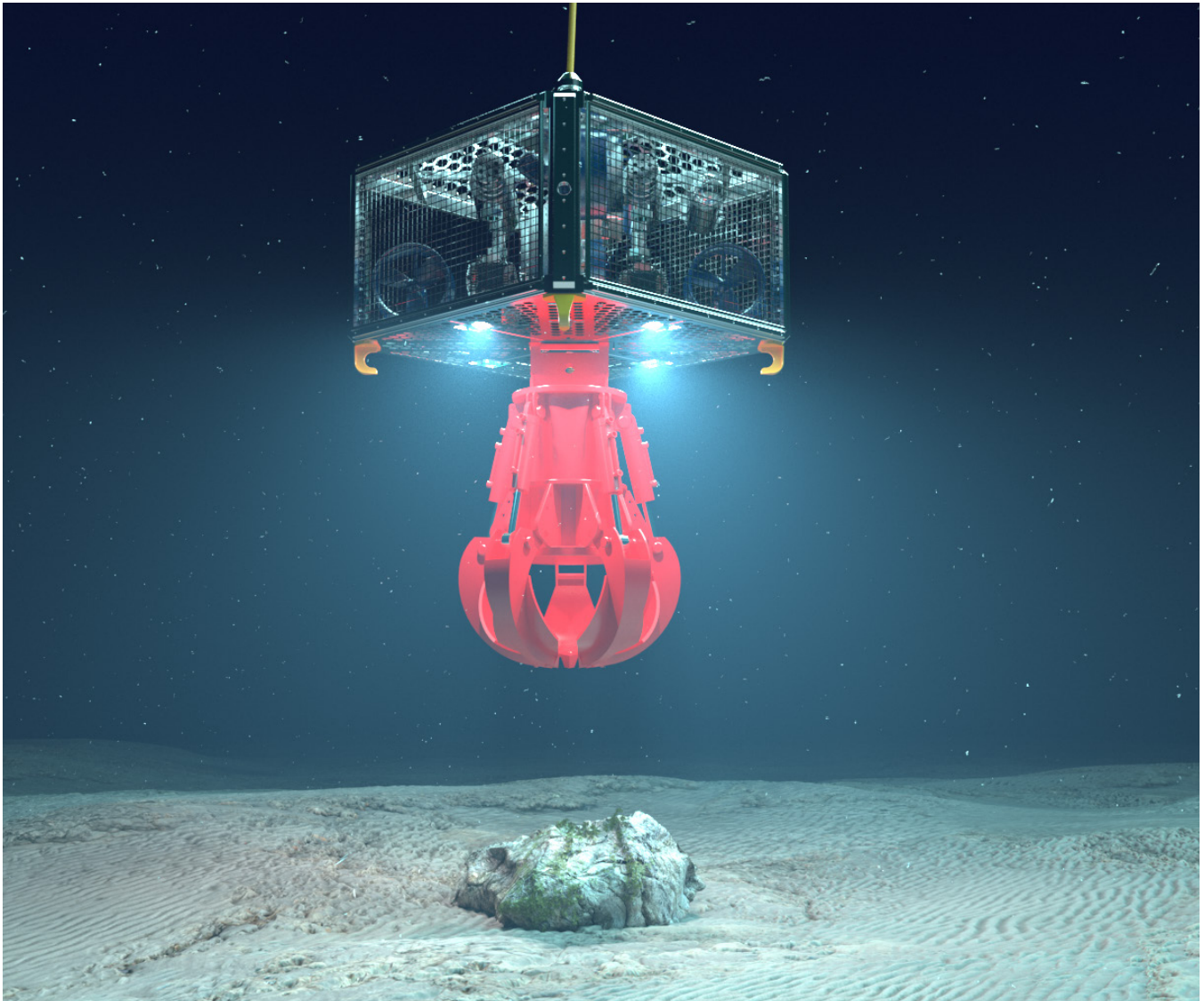


# SCARGrab System

Efficient and controlled boulder-grabbing and debris-removal operations



# SCARGrab System

Efficient and controlled boulder-grabbing and debris-removal operations

## SCARGrab System capabilities

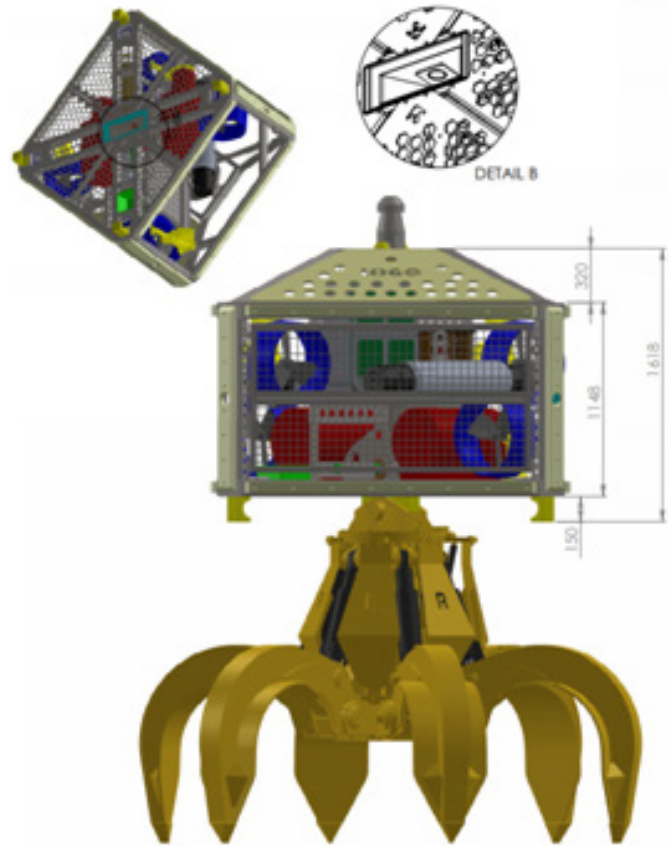
Based around the field-proven Oceaneering Millennium ROV system, the SCARGrab remotely operated vehicle (ROV) is a flexible subsea work platform with 330 Hp of available power and 20 Te of through-frame lift capacity, making the SCARGrab System the most powerful system available on the market.

Now in its third iteration, the SCARGrab System, with its Millennium ROV pedigree and useable power, minimizes downtime and optimizes operational efficiency.

The hydraulic power required to operate the grab is supplied from the ROV, rather than from a surface-based pump, resulting in increased efficiency and environmental awareness, stemming from the lack of exposed pipes leading from the vessel to the system. This also serves to reduce the time associated with launching and recovering the system, again maximizing operational efficiency.

The SCARGrab System is supplied with a robust orange-peel type grab for boulder and debris removal, and can be interfaced to various other subsea tools, such as deployment frames and dredge systems.

For larger-scale boulder clearance projects, the SCARGrab System can be a valuable addition to the SCAR Seabed System RP (route preparation) spread,



which is better suited to boulder removal along areas of higher boulder density. As a complement to the spread, the SCARGrab System can be deployed as a cost-effective means of removing isolated objects, or boulders from areas that are sparsely populated.

Choice of launch and recovery systems are dependent on project/vessel requirements.

## SCARGrab System key features and benefits

- » Flexible launch systems--vessel crane or "A" frame
- » The boulder-grab system is vertically tethered and not free flying, so it can be left in the water column while the vessel moves to another location
- » Simple system enables rapid mobilization, deployment/recovery, and demobilization
- » Powerful unit with 4 thrusters to maximize station keeping and subsea positioning (direct function of water depth)

System Specifications		Sensors and Control System	
System power	330 Hp (3 x 110 Hp)	<b>Standard Equipment</b>	
Depth rating	9,842 ft / 3000 m	Vessel positioning equipment	Full independent DGPS positioning system with optional redundancy Onboard navigation suite, with option to display full seabed profile/ infrastructure where available
Weight (in air)	6,614 lb / 3000 kg	Standard tool mounted positioning equipment	2 x 2 Ccameras, 4 x lights, Sscanning Ssonar Ppan and Ttilt units, Fiber Ooptic Ggyro Aaltimeter and Ddepth Ssensor, USBL Bbeacon
Length	79 in / 2000 mm	Optionsal	Full INS/DVL capability, MBE Ssurvey capable, Pipetracker capable
Width	79 in / 2000 mm	Control system	Oceaneering CTAG software
Height	65 in / 1650 mm		
Through-Frame SWL			
Capacity	20t		



[oceaneering.com](http://oceaneering.com)