

CASE STUDY

Mission Specialist Underwater Robot Supports Growing Salvage Operation



Established in 2009, PT. SCM-Indonesia Underwaterwork & Salvage

is a professional diving company that services the Oil & Gas industry. The company specializes in responding to challenging offshore and inshore missions in construction, offshore structure, pipeline inspection and infrastructure examination.



Summary

After observing a VideoRay Mission Specialist underwater robotic system, PT. SCM-Indonesia was looking to purchase one to inspect ships and subsea infrastructure.



Challenge

PT. SCM-Indonesia was awarded a contract to inspect ships and infrastructure in Indonesia around the harbor and bay area. They were in the market for an underwater robotic system that was easy to use and could record and playback images, as well as endure the harsh, rugged environment offshore. In addition, they required the ROV to be adaptable for simple attachment of accessories such as a cathodic protection (CP) to evaluate and monitor corrosion on subsea structures, an ultrasonic thickness (UT) gauge to test metal and a cavitation cleaner for underwater maintenance.



Solution

SCM-Indonesia observed a Mission Specialist underwater robotic system being used on a subsea project, which led to them testing one for several days to see how well it would perform for their offshore inspection and maintenance missions.

For salvage missions, the Mission Specialist systems can locate sunken vessels with ease and is designed to offer a rapid, portable and cost-effective solution. Users can complete a salvage mission offshore in clear water or in lower-visibility port environments with imaging sonar options.

When used for ship inspection and maintenance, Mission Specialist systems easily handle depths greater than 300 meters yet are agile enough to take on shallow missions, as well. They are designed to carry heavy payloads or tools but also can penetrate tight areas that other machines or divers cannot access. Deploying these systems simply requires one person to heave the submersible robot by hand into the water.



Results

Pleased with the performance of the system, SCM-Indonesia is considering purchasing Mission Specialist underwater robot to handle their additional ship and infrastructure inspection work.

Using a VideoRay system rather than a diver, the company will perform missions more proficiently and safely. In addition, because of the durability of the robot, they will incur downtime because of rough weather or current delays.



As PT. SCM-Indonesia is expanding its customer base and mission load, VideoRay underwater robotic systems will play a big part in the company's continued success.

