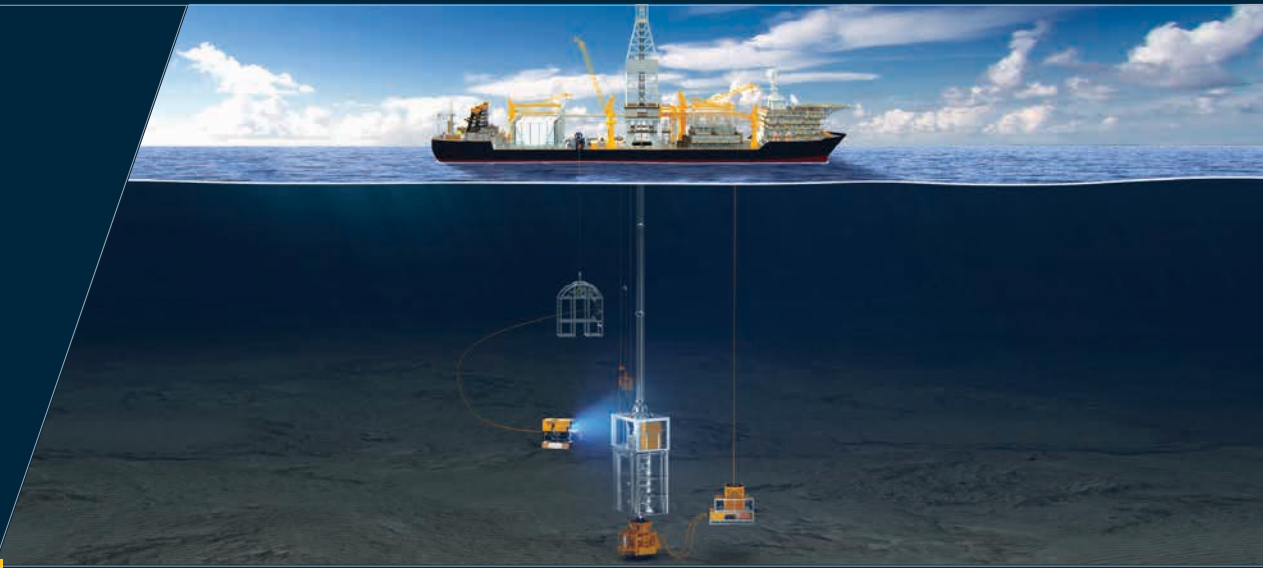




# INTEGRATED RIG SERVICES



4	Integrated Offshore Service Teams
5	Savings
6	Overview of Services
10	Boost Your HSE
11	Locations Available







With a proven track record, your trusted field development partner now offers an innovative suite of integrated rig services. From survey and ROV tooling to IWOCS and other specialty technologies, Oceaneering offers true integration of services to improve HSE, cut down on non-productive time, streamline activities, and reduce your overall costs.

With redundant dedicated offshore communications, these field labor-intensive operations become a streamlined delivery of quality services from shore-based mission control centers. Remote rig positioning, remote ROV piloting, and remote inspections are just the beginning of the cost and resource reduction services we provide.

Oceaneering's singular accountability on- and offshore delivers a more efficient mobilization, reduces personnel onboard, lowers carbon emissions, improves uptime, and allows for faster response times to critical needs.



## INTEGRATED **OFFSHORE SERVICE** TEAMS

Oceaneering prides itself in the training and crosstraining of its personnel. With our integrated offshore teams, you can reduce the number of personnel needed offshore for IWOCS and ROV operations. Reduced headcount and crew changes lowers your costs and HSE risks to those employees by keeping them onshore to address issues as they arise.

The offshore team is led by a superintendent responsible for all contracted services providing improved accountability for the entire scope of work. Permanent ROV crews cross trained to perform IWOCS functions enable Oceaneering to support transition from 12-hour to 24-hour operations using the existing crews while additional crew is mobilized.

# SAVINGS

Integrating the services for a typical 90-day drill and complete can realize:

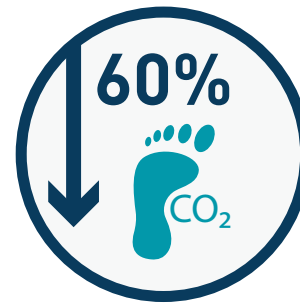


50% reduction in personnel mobilizations

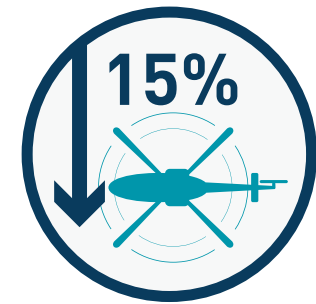


40% reduction in peak personnel on board relative to purchasing discrete services

Reduced personnel mobilizations and POB can achieve:



60% reduction in carbon footprint in personnel transportation and housing



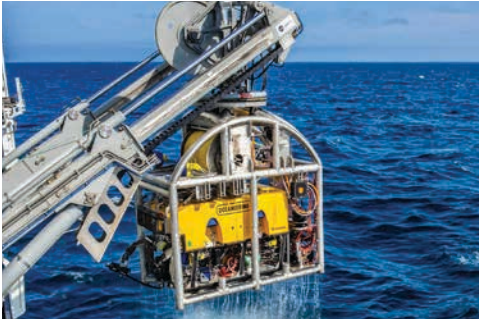
15% savings in reduced transport and boarding costs relative to the total discrete contracts value

And all of this is done while reducing your contracts and points of contact by 80%.

As an operator or drilling contractor you can tie into the remote ROV piloting, surveys, inspections, and diagnostics to further reduce the need to send your personnel offshore and allow subject matter experts to participate in the offshore activities from onshore.



# OVERVIEW OF **SERVICES**



## ROV

Oceaneering is the leader in drill support remotely operated vehicles (ROVs) with 290+ work class ROVs and 2,500+ ROV technicians. Our crews are cross-trained to be familiar with multiple technologies and procedures.



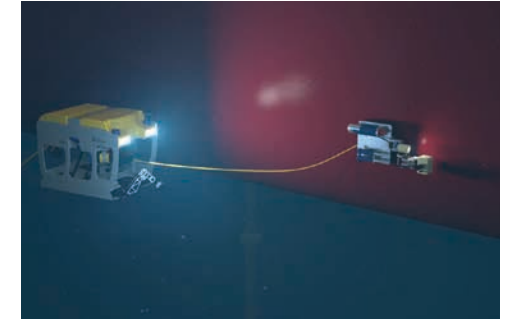
## C-NAV™ Positioning

We offer worldwide differential global navigation satellite system (DGNSS) positioning services, geoscience and autonomous underwater vehicle (AUV) surveys, land and coastal water surveys, and marine construction surveys.



## Digital and Communication Services

Oceaneering provides turnkey solutions for networking, video, and voice, which enable increased efficiency, improved operations, safety and security enhancements and reduced labor, to help our clients accomplish the most complex goals in the harshest environments.



## Special Periodic Surveys and UWILD

Through the use of risk assessment, data management, and inspection and maintenance scheduling, Oceaneering can support our customers' assets throughout their entire lifecycle. We offer software systems that support the management of all principal integrity processes, such as inspection, corrosion, maintenance, external coating and insulation and vibration management, as well as condition monitoring activities.



## Survey and Mapping

We improve efficiency throughout the marine construction process by providing accurate and precise positioning services for drilling rigs, pipeline lay and derrick barges, and dynamically positioned (DP) multi-purpose construction vessels.



## Workover Control Systems

Oceaneering is a leader in completions, installation, and workover control system services, first with our IWOCS, and now with our ROV Workover Control System (RWOC), which enables remote operation of subsea well equipment.



## Remote Service Offerings

Our Remote Service Offerings enables seamless operations from shore for ROV piloting, surveys, inspections, communications and diagnostics. Reduce personnel offshore with our integrated and cross-trained service teams.

# OVERVIEW OF **SERVICES**



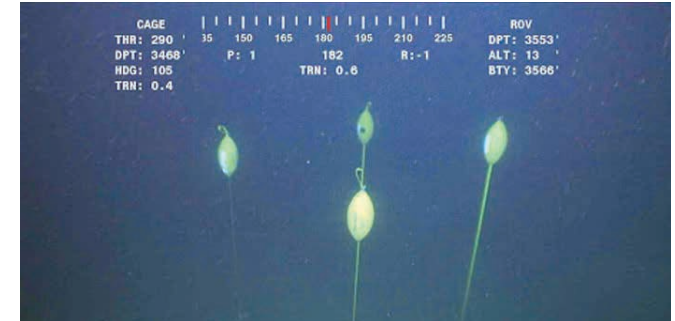
## Remotely Operated Survey

Position and navigate your drilling rig using our proven Remotely Operated Survey (ROS). Remove personnel from offshore and switch to the seamless operation handling abilities of our onshore Remote Control Monitoring Station (RCMS). The service includes mobilization, maintenance, system health checks, project management, data acquisition, data processing, reporting, deliverables, and certified well plats.



## Remote Marker Buoy Sets

Using the same C-PINS Inertial Navigation Systems (INS), marker buoys are placed from the drilling rig using Oceaneering's ROV systems once the proposed well site location, pattern layout, and dimensions are agreed upon.



## Remote Metocean Services

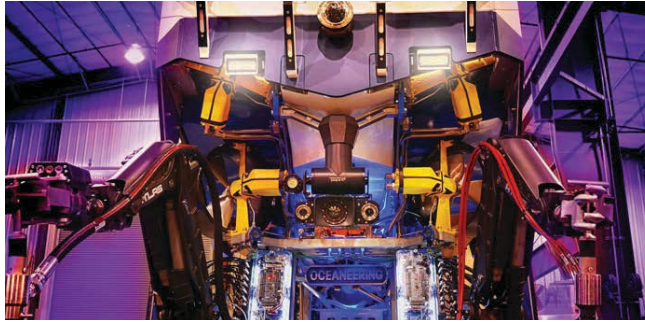
With an installed Remotely Operated Survey (ROS) unit and an Acoustic Doppler Current Profiler (ADCP) handling system fitted onto the rig, Oceaneering ROV crew can deploy during drilling operations the ADCP to collect vital water column current speed, direction, and depth. As part of this service, the data can then be uploaded to government buoy monitoring stations or monitored in real time.





## Remote Piloting

Our unmatched fleet of ROV systems is complemented by cutting-edge technologies that enable better control and video imaging, precise tool manipulation, and adherence to industry requirements. Learn more about our Remote Piloting and Automated Control Technology (RPACT) and advanced visualization technologies.



## Remote Inspections and Diagnostics

Rapidly respond to any incident using the EDGEsmart™ Vision remote inspection and diagnostics package. Our ROV technicians can manage the small fly-away kit with equipment for extending two-way communication to the point of impact. Use the latest technologies like Microsoft HoloLens and handheld tablets to directly connect to Skype and other messaging applications, bringing fit-for-purpose expertise to the field virtually.



## Remote Metrology

Oceaneering can also perform subsea metrologies for Jumpers fabrications using Inertial Navigation Systems (INS). This same technology can also provide orientation and wellhead angles, and measure heights off the mud line with millimeter precision using a C-PINS tool installed onto our ROVs.



A top-down photograph of various safety and work equipment arranged on a dark, textured wooden surface. On the left is a black and yellow striped hard hat. In the center are a pair of worn, brown leather work gloves with a pair of black safety glasses resting on them. On the right is a yellow hard hat with a blue chin strap that has 'SAFETY' printed on it. In the bottom left corner, there is a grey, curved object, possibly a piece of equipment or a tool.

## BOOST YOUR **HSE**

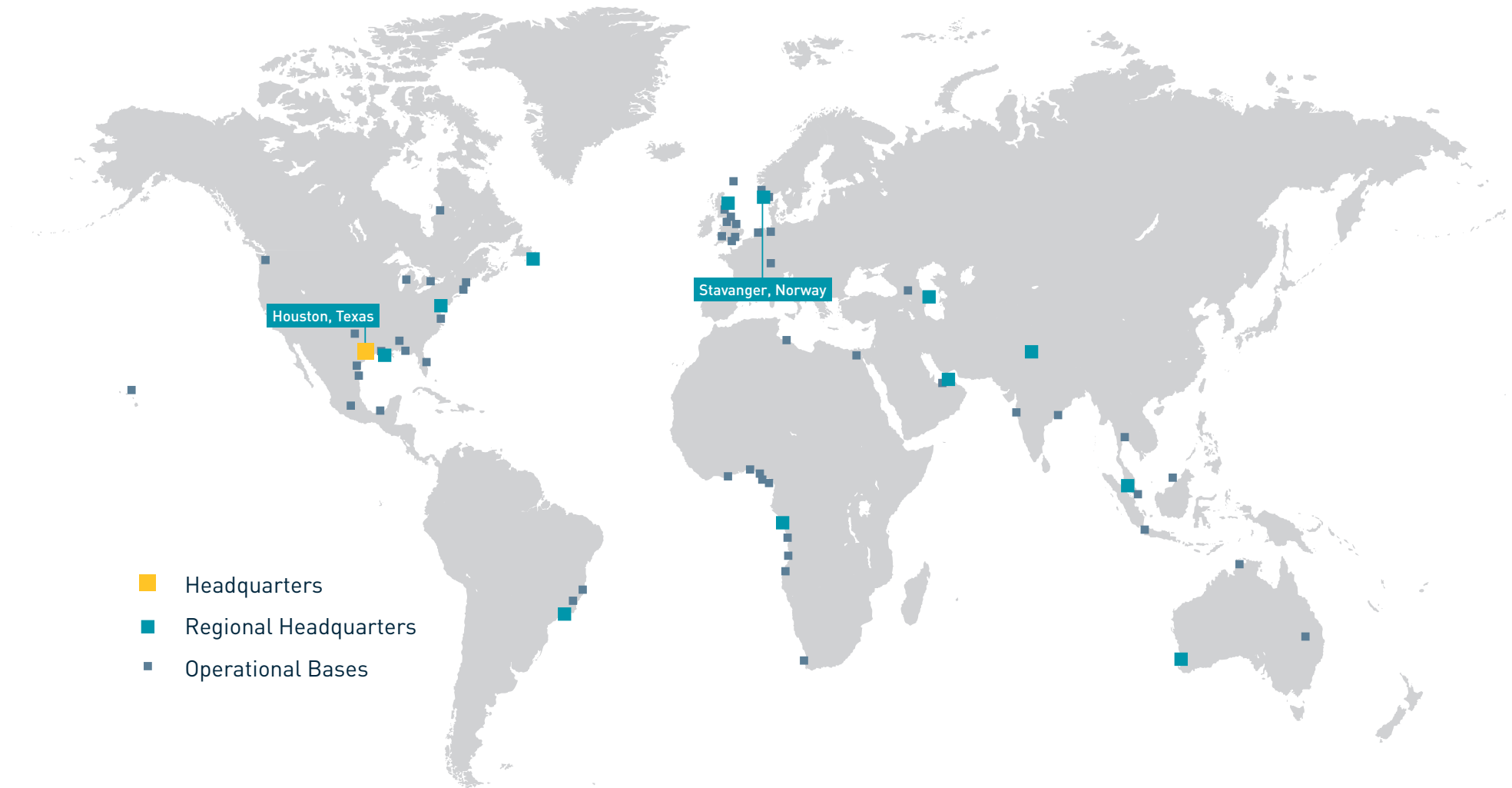
Reducing personnel onboard helps lower operational risks to workers by keeping them onshore and cutting back carbon emissions. It also frees up bed space and simplifies logistics. Bring out only those workers you need, and let us assist you remotely.

We can perform rig positioning and ROV operations from our onshore mission support centers. We have experts stationed around the world to serve our customers 24/7 and can diagnose and solve any problems that arise.

# LOCATIONS AVAILABLE

• HOUSTON (GOM)

• STAVANGER



From our strategically located Mission Support Centers, your SMEs have direct access to the offshore environment for critical operations.





Connecting What's Needed with What's Next™