

Saturation Training Facility

The world's deepest inland training and testing facility, specializing in saturation diving.

Welcome to DEEP Institute

Located in Chepstow, in the South West of the United Kingdom, our state-of-the-art training facility is set to become fully operational in late 2026. This document outlines our comprehensive training programs, pricing structure, and further details on the DSTF system.

The Deep Saturation Training Facility represents a transformative step forward in the global saturation diving training landscape. We are actively seeking collaborative partnerships to shape our offerings to meet the evolving needs of the industry—so we warmly invite you to connect with us.

At DEEP, we are confident that our innovative systems will catalyze a new era of capability expansion in saturation diving. Whether you are an individual seeking world-class training or a business aiming to enhance operational excellence, we are here to deliver the tailored solutions you need to thrive.

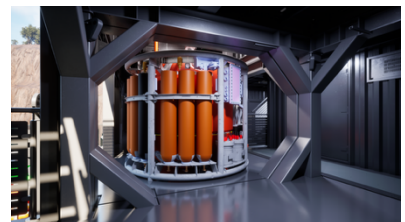
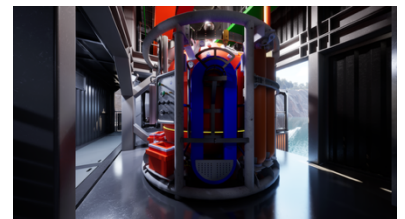
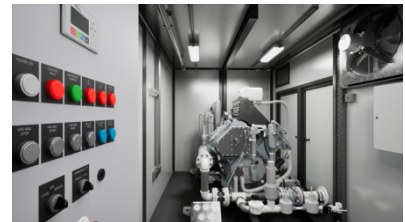
I look forward to engaging with you to explore how we can support your specific goals.

Warm regards,



Dennis Nelson

CEO, DEEP Institute

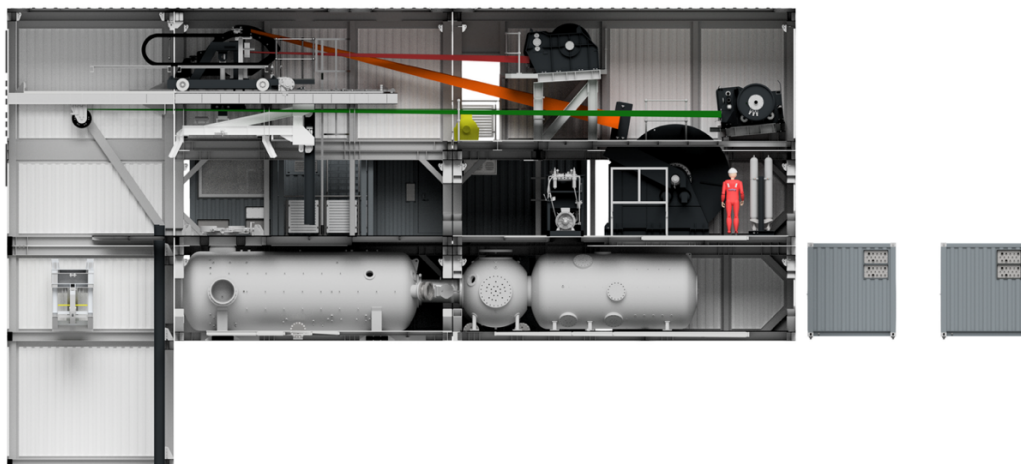


System specification

The Deep Saturation Training Facility (DSTF) is a state-of-the-art system designed to provide comprehensive training for saturation divers. This facility includes a 9-person portable saturation/closed bell diver training system, which is essential for simulating real-world diving conditions and ensuring divers are well-prepared for deep-sea operations.

- **3-Person Diving Bell** allowing for safe and efficient transport of divers to and from the underwater work site.
- **9-Person Hyperbaric Rescue Craft (HRC):** and Life Support Package (LSP) equipped to handle hyperbaric emergencies, ensuring the safety and well-being of divers in distress.
- Rated to operate at depths of up to **300 msw**, suitable for diver training in a robust system
- Built in accordance with the stringent standards of the Lloyds Register classification society and adheres to the guidelines set forth in **IMCA D024** and **D018**.
- Capable of continuous operation **24/7**, even in **sea states up to level 4**, ensuring reliability and resilience in various marine conditions.
- **Split living and sleeping chambers** to maximize comfort for the divers during extended training missions.
- High-pressure **dedicated gas storage** for Helium-Oxygen (HEO2) mixtures is provided, ensuring a reliable supply of breathing gas for saturation diving operations.
- A **dedicated workshop** is available for technician training to learn how to maintain and service the similar systems. Our Saturation Facility is installed on-water at DEEP Campus in the Southwest region of England.

The DSTF is a highly advanced and reliable system designed to meet the rigorous demands of saturation diving training and operations, providing a safe and effective environment for divers to hone their skills.



Our training programs

Intro to Saturation Diving

An introduction to Saturation Diving provides the learner with the theoretical knowledge associated with Saturation Diving. This includes the physiology of the human body, the impact of depth, saturation systems and how they are designed to provide life support, the importance of gas mixes and technical systems.

This is a self-paced online course and a pre-requisite to the in-water SAT Diving Training course.

Course Duration: 10 hours (self-paced)

Commercial Saturation Diving

This course is for those who have held a Commercial Diver Surface Supplied qualification for 12 months and provides the competency training for those who will be working at saturation depth. It will cover the key knowledge, skills and behavioral requirements associated with living and working in confined spaces, being part of a team, understanding the system and responding to emergencies. It will meet the requirement of 14 bell-runs including transfer under pressure, the requisite number of lock-outs both as a diver and stand-by diver, and 5 days in saturation.

Course Duration: 18 days

Dive Systems Technical Familiarisation

This technical course offers a blend of classroom instruction and practical experience on a live saturation dive system designed for training. It would be well suited for an individual exploring career options as a Dive Technician in the diving industry by providing entry level understanding of systems, equipment and career pathways.

Through hands-on fault-finding exercises and activities at our test benches, participants will gain an understanding of the Dive Technician's responsibilities and competency requirements that include maintenance, certification, classification society requirements, testing, inspection, and safety as well as practice the necessary reporting processes required to operate a safe system.

Course Duration: 10 days

Assistant Life Support Technician (ALST)

The ALST course combines classroom learning with hands-on training on a live saturation dive system to provide foundational knowledge and practical experience of life support operations. Over two weeks, participants explore diving systems, essential equipment, and the responsibilities of a Life Support Technician in safely managing systems where divers live under pressure.

Course Duration: 10 days

Course pricing available upon request.