

# Test Rig Simulation and Training Facilities



For test rig, simulation and training requirements in support of the nuclear decommissioning programme, TSP can offer a full package to suit your needs.

Providing a safe testing environment for procedures that may be required to be carried out in hazardous environments, TSP will ensure that the procedure is carried out right first time.

From initial concept through to fully operational live simulation of test facilities, we can use reverse engineering to provide solutions for any design issues that may arise during project development.

We can replicate wet 'pond' test tanks up to a capacity of 1 million litres of water.

The areas house deep engineering pits to allow maximum overhead height of more than 13 metres.

Office accommodation can be provided to house even the largest of project teams and the on-site facilities ensure smooth communication of information during testing and training simulations. Our own experienced project managers are also on hand to help manage specific areas of concern if required by the client.

## Our test rigs can:

- Replicate an area of your facility
- Provide functional and endurance testing (e.g. 1000+ cycles)
- Trial and develop new techniques
- Streamline a refurbishment operation to reduce downtime and give cost savings

## TSP Engineering offers:

- In-house design and manufacture of bespoke control panels
- Manufacture of dummy items to help with functional testing
- Skilled trades personnel
- Project Management with Project Engineers and Supervision
- Office accommodation and welfare facilities to house up to 20 project engineers, with I.T. and conferencing facilities.



TSP has over 70 years of experience working in the nuclear sector and has supplied over 300 packages/flasks designed, built and tested in-house.

There is a high level of security on site including personnel automated controlled access.

Specific areas have been identified to house test rig operations and are fully serviced with air, water and power. The areas house deep engineering pits to allow maximum overhead height of more than 13 metres. Other areas could also be utilised to suit your specific requirements.

**Area 1 (Bay 5 Pit)**

**Size:** 15.6m x 14m x 4.7m deep

**Craneage:** 60 Tonne Crane

**Wet Tank Capacity:** 1.03 million litres

**Office Facility:** Adjacent to the area to house up to 20 project engineers with I.T. and conferencing facilities

**Area 2 (Bay 3 Pit)**

**Size:** 12m x 8m x 5.5m deep

**Craneage:** 2 x 75 Tonne Cranes

**Wet Tank Capacity:** 420,000 litres

**Office Facility:** Available within the TSP building close to the area to house up to 12 project engineers with I.T. and confer-

