



Decommissioning Expertise  
...from Planning to Execution

TSB OFFSHORE

## TSB OFFSHORE HISTORY

1987-07	Twachtman & Snyder leave McDermott to pursue decommissioning consulting support in tax litigation for Mobil Oil Corp. and form the original company.
1989-02	The initial version of the Platform Abandonment Estimating System (PAES) commissioned to support tax litigation.
1989-03	Company offers Project Management and support services for decommissioning.
1989-09	Removed and re-located the first jacket ever used in an artificial reef in the Gulf of Mexico (GoM).
1990-08	Carried out the first removal of a jacket using a “reverse launch” technique.
1991-03	Win Thornton joins firm to form Twachtman Snyder & Thornton Inc.
1991-08	Used the largest permitted explosive charge in the GoM, consisting of four 75 lb. shaped charges.
1994-09	Relocation and reinstallation of the same facility and its jacket without bringing the jacket to shore.
1997-03	Robert Byrd acquires Win Thornton’s interest in the company to form Twachtman Snyder & Byrd Inc. (TSB).
1997-08	Completed the largest offshore platform deck removal to date without using a derrick barge.
1997-09	Developed the decommissioning costs for all of the offshore facilities operated by ExxonMobil, Shell, and Unocal in the GoM.
1997-09	Developed the decommissioning costs for all offshore facilities operated by Unocal/Chevron in the Gulf of Thailand, including regular updates.
1998-08	Carries out the first in situ toppling of a large jacket without the use of explosives or a derrick barge.
1998-08	Managed the first deepwater donation (greater than 400-ft) to the Louisiana Special Artificial Reef (SAR) Program.
1998-09	Evaluated the removal methods and costs for all Amoco, Kerr-McGee, Oryx, and Unocal North Sea holdings,
1998-09	Developed costs and removal alternatives for all Shell, Unocal, and Chevron platforms offshore California.
1998-09	Developed the decommissioning costs for all offshore facilities operated by BP in the GoM and Trinidad.
1998-09	Opened TSB Down-hole Services Division.
1999-01	Determined decommissioning costs for all of the petroleum and geothermal energy production facilities owned or operated by Unocal worldwide.
2000-10	Conducted a complete assessment of deepwater asset decommissioning costs in the GoM and offshore California for the Department of the Interior, Minerals Management Service (now Bureau of Safety and Environmental Enforcement).
2000-10	Developed the initial estimate of DR&R costs for BP’s Badami oil processing facility on Alaska’s North Slope.

2000-10	Conducted a complete assessment of deepwater facility decommissioning costs and methodology in the U S Gulf of Mexico and offshore. California for the U S Department of the Interior, Minerals Management Service (now BSEE).
2001-10	Developed the initial estimate of DR&R costs for ChevronTexaco's Gaviota sour oil and gas processing facility in California.
2002-11	Developed the decommissioning alternatives and costs for deepwater floating facilities and subsea wells offshore U S Gulf of Mexico.
2005-09	Developed the decommissioning alternatives and costs for deepwater floating facilities and subsea wells offshore Mauritania and Nigeria, West Africa.
2005-09	Developed the initial estimate of DR&R costs for the Atlantic Liquefied Natural Gas facility in Trinidad for the owners' consortium.
2005-11	Provided project management, pipeline abandonment, DP Dive Support vessel, and well plugging services for GOM Independent Operator for 5 downed platforms resulting from Hurricane Katrina.
2007-01	Provided project manage, all regulatory interface for wells and platform, and plugged 3 wells on a platform that was knocked over by Hurricane Rita.
2007-06	TSB is purchased by Norway's Northern Industries.
2007-06	Conducted a Decommissioning Work Shop in Thailand for the Gulf of Thailand Operators Association covering local decommissioning regulations and potential effects of worldwide regulatory environment.
2008-07	Conducted complete removal decommissioning liability assessments for Cairn India's east coast and west coast offshore platforms (including the pipeline and wells) and onshore processing facility assets.
2009-05	Provided a lump sum contract to abandon pipelines, remove a downed platform and 3 wells destroyed by Hurricane Ike for an independent operator in the GOM. This included all regulatory interaction with federal agencies.
2010-09	Developed Decommissioning Cost Estimates for all offshore fields and FSO's in Cameron for SNH Oil and Gas agency which allowed them to better plan for their potential liabilities.
2011-09	TSB is purchased by Tetra Technologies of The Woodlands, TX.
2011-10	Developed the decommissioning costs for more than 100 Shell, ExxonMobil and BP facilities in the Southern North Sea on behalf of Perenco. Successfully defended the validity of these costs with a third-party arbitrator as part of Perenco's purchase agreement.
2012-11	Developed Concept Selection Study for ExxonMobil for the abandonment of the Lena Guyed Tower in 1,000' of water in the GOM and became an intragrual part of their planning, regulatory, and execution team for the duration of project abandonment.
2016-02	Updated all POCSR facility decommissioning costs and methodology offshore California for BSEE.
2018-02	TSB is purchased by EPIC Companies, of Housrton, TX.