

Abstract

A comprehensive study of diving work and cost benefit analysis on decompression chambers

Local commercial diving industries has suffered from insufficient regulatory support combined with low budget for diving plants. The combination has lead local divers to decompression illness or even fatality. Corporate managerial and operational system for diving activity never has been developed as legal aid has become hollow. Safety measure such as decompression chambers and emergency gas supply which are widely accepted abroad has been ruled out for many years due to its cost and lack of competence. The research analyses cost of diving plant and their benefits. The result suggests that competence of diving personnel, appropriate diving plant, optimal size of diving team increase safety at diving work and show benefit over cost. Safety means not an obstacle or burden but efficiency. However, managerial and operational systems has yet to be developed. It shall be prioritised in oder to increase safety at diving work.

Key words : Cost benefit analysis, Decompression illness, Umbilicals, Deck Decompression chamber, Diving supervisor, Tender