

An Introduction of Tension Leg Cage for Open Sea

M. E. Esmaeili^{1*}, Darko Lisac²

1- AFTM, Ltd, No4, 27th St., Alvand St., Arjantin Sq., Tehran, Iran

2- RefaMed Co. Via dei Ginepri, 29, 09017 Sant' Antioco, Italy

*Corresponding author e-mail: info@aquaculture.ir

Abstract:

Tension Leg Cage, the new Europe technology, best matches the Iran waters conditions in the north and south. It has the ability to be installed in different layers of water column, solving the temperature limitation for Caspian Sea and providing a longer culture period. The flexibility of TLC in the event of high waves and water currents in the Caspian Sea and Oman Sea is another advantage. With an independent mooring system for each cage and occupying a small sea bed area (only 8% that of surface cages), the TLC represents the unique alternative for Caspian and Oman Sea. This technology shall be adopted for the Persian Gulf too, in order to control the rearing temperature and keep the cage far from red tides. As the invest for the cage and the related equipment is only a small part of the farm invest, in the case of an accident for the cage, a huge invest much more than the cage price will be lost, hence, a proper decision on the cage type for the open sea is necessary.

Keywords: Sea Cage, Tension Leg Cage, TLC, Submerged sea cage, fish cage, Sea farming