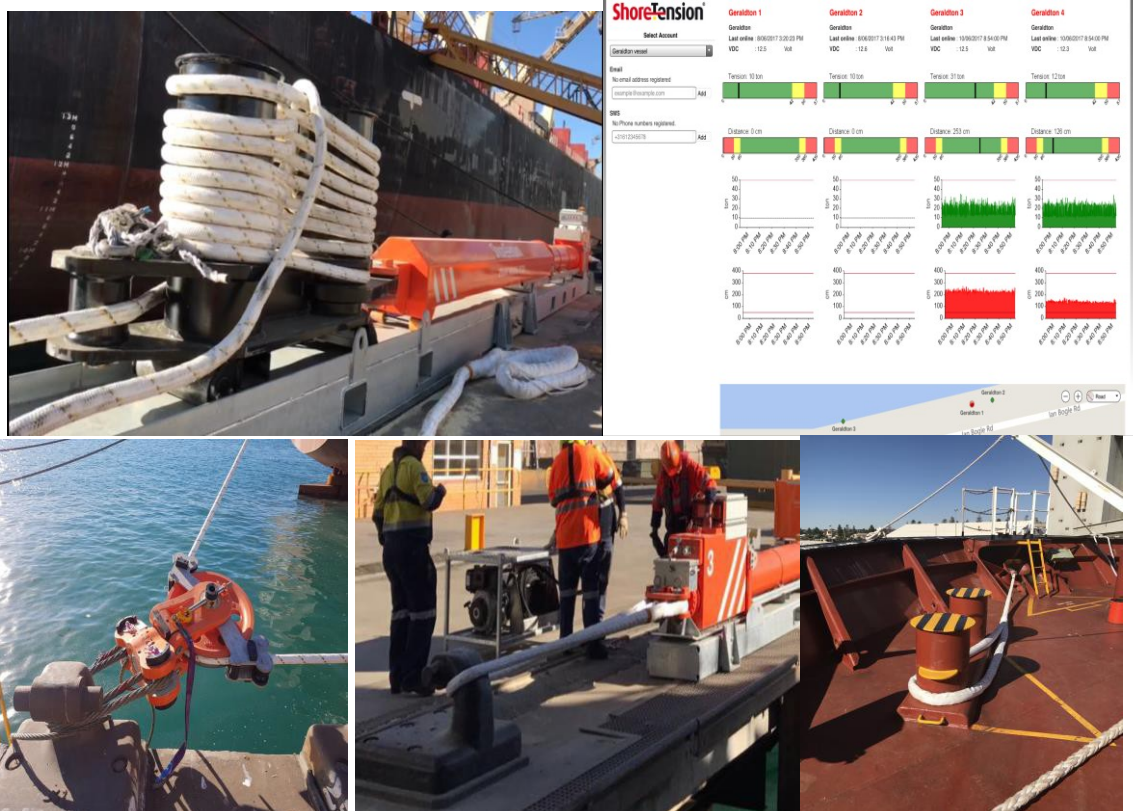


The Mid West Ports Authority has purchased six Shore Tension Units to make a safer mooring system whilst you are alongside in Geraldton Port.

With ShoreTension, ships can be firmly secured to the quay reducing the movement caused by surge, strong winds, swell or passing ships. The ShoreTension equipment has been certified by Lloyds Register of London with a safe working load (SWL) of 60 tonnes.



The ShoreTension unit/bits and block is secured on the quay between two bollards using strops. The Dyneema working line (95mtrs) is connected to your bits onboard (the same as a tugs line) and turns are taken on the bits located on the front of the ShoreTension unit on the quay.

ShoreTension is only activated once the line is secured to the ShoreTension bits and the safe working load is set (taking into account the ships bits, fairleads, bollards and ShoreTension equipment).

The ShoreTension mooring system uses stored energy to keep the required tension on the Dyneema line and only uses pressure when required to keep the ship alongside the quay up to the set safe working limit.

What this means for the Vessel:

The units take a duration of less than half an hour to secure the line. This will normally be done immediately on arrival (tugs still connected). The pilot will need to be informed what the **Safe Working Load of the ships bits and fairlead that the Dyneema line will run through.**

**The ShoreTension units will require the centreline forward fairlead and the centreline or outboard aft fairlead to be free.** This will be used for the ShoreTension Dyneema lines.

You will need to send a heaving line to the quay and heave the Dyneema line onboard and place it onto your bits (preferably in the straightest lead for a breast line) and adjust the chaffing piece (as seen in the pictures below).

After the units have been fitted, the maximum allowable force on the hydraulic system will be set according to the safe working load of the ships bits, fairleads, wharf bollards and ShoreTension equipment.

The units will be remotely monitored by Midwest Ports; however, you can also view what the ShoreTension units are doing by going to: **vessel.shoretension.com** and the user name is **Geraldton Vessel.**

It is important whilst you are visiting Geraldton that you continue to monitor and adjust your mooring lines, as they work together with the ShoreTension equipment to keep your vessel securely alongside.

**At no time is the ships crew to attempt to remove the line off of the ships bits until approval has been given by the Pilot or Wharf Supervisor.**

**IF THE MASTER OR VESSEL HAS ANY CONCERNS AT ANYTIME THEN PLEASE CONTACT GERALDTON WHARF SUPERVISOR ON +61899640510.**



CORRECT



INCORRECT

