Most products have a development over time, like shiplift and many other ways to lift vessels. But to lift the ship, is just the first work process of many. When the vessel is ducked, the work starts. The more efficient the work operations goes, the less time the vessel have to be in dock.

**Our vision:** To make equipment for this work operations for our time, who make the work process safer, faster and better. This is our “Fast Docking Products”.

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**TTS Syncrolift**  
*Fast Docking products*
Fast Docking Systems

It is vital that operations in shipyards are completed as fast and safe as possible, so ships spend less time in the yard and more time in operation. For the shipyards, more ships repaired means more income.

TTS Syncrolift is well aware of this, and have made a product group called “Fast Docking” to help yards find products which are efficient in getting work operation fast and safely done. Any operations from guiding the ships safely in to dock or over shiplifts, shorten the time spend on supporting and blocking ships and increase the efficiency in removing propellers.

All these products are specially design to perform their task effectively and safely for both the workers and equipment.

If you have other special operations that you would like to increase the efficiency of, our experienced engineers will find good technical and user friendly solutions for you.

The next pages will explain what the different products in Fast Docking System is. For a more detailed explanation of these products, please see their respective product brochure and don’t hesitate in contacting us with your questions.

Harstad Shipsindustri AS in Harstad Norway, asked TTS Syncrolift AS to find a solution on side support in dock, to make the docking of ships faster and easy. TTS Syncrolift AS replays with this.

STX Florø AS in Norway, have good experiences with there dry dock side supports arms. This side arms was the best solution in this case. TTS Syncrolift AS always try to find the best solution, in the different situations.

Zamil Offshore Services Company in Zamil, would like to do the blocking faster and easier, so we provided some bilge support arms, like unto the one in Kimek. But this could be removed from the trestles.

Harstad Shipsindustri AS in Harstad Norway, very satisfied with the dry dock side support we made for them, and when we showed them our Propeller Puller they saw that this makes the process faster and safer.

To Kimek in Norway, TTS Syncrolift AS made automatic hydraulic bilge supports, to ease the blocking process. This have proven to be a efficient way to dock and lunch ships faster, with less preparations before lift.

TTS Syncrolift has delivered many inhaul & positioning systems all around the world, our most recent is to a navy base X-52 located in Vietnam.
Fast Docking

**Multi Vessel Docking System**
This unique designed TTS Syncrolift system, can handle the most demanding vessels. It is flexible, and can therefore adjust to accommodate different ships, like tugs.

It has TTS Syncrolift automatic Bilge Support Arms, to simplify the blocking process (see Bilge Support Arms). It can be fitted on existing as well as new shiplifts, and can be made so a transfer system can move the ship in to a dry birth.

**Bilge Support Arms**
These Bilge Support Arms are designed for easy attachment and can be moved from one trestle to another. Therefore, it is not needed to move the whole trestle to correctly side support the ship.

These arms make the whole docking process faster and safer for the vessel, and saves considerable blocking time.

**Dock Side Support Arms**
TTS Syncrolift has developed some efficient Side Support Arms for docks. This can be installed in new and old docks, and will simplify work process and reduce time in the blocking process significantly.

This system is visible above the water surface so you can see the ship is supported before the water is removed. It also centres the ship to ensure it is aligned with the blocks on the dock floor.

**Inhaul & Positioning Systems**
The Inhaul System guides the ship in over the shiplift, this ensures that the ship does not touch the side of the piers.

The Positioning System positions the vessel correctly above the shiplift, so when the shiplift with the trestles is hoisted up, the ship lands accurately on the trestles. This prevents the ship from being damage in the lifting process.

**Shiplift Side Support Arms**
A benefit of these side support arms, is that it can work as a centring system, as it centres the ship over the platform.

The side arms are visible when contact is made with the side of the ship. This is a visual confirmation that the side arms support the vessel.

These arms can be mounted on both new and existing shiplifts.

**Auto Block Guiding**
Blocks have to be placed on the dock floor before the ship can enter the dry dock. These blocks have to be placed accurately according to the docking plan, to ensure the ship is not damaged. This takes time.

To simplify this process, TTS Syncrolift has designed a Lazer system, that from the docking plan plots out where to place the block, thereby makes the whole process faster and more accurate.

**Flex Pad**
TTS Syncrolift believes that smart green thinking is the best solution for the earth and us, it can make products and work processes better and smarter.

Usually hard and soft wood is used in blocking. The wood has to be replaced regularly. Our green solution is to replace the hard and soft wood with a rubber block. This rubber blocking lasts longer, and will in the long term be a cheaper, better and greener solution.

**Propeller Puller**
TTS Syncrolift has developed a Propeller Puller to ease the process of pulling and re-installing a propeller/propeller shaft for Maintenance and repair.

The TTS Syncrolift Propeller Puller ensures that this process is safe and will reduce time and workers in comparison to conventional methods, thereby reducing the time each ship occupy a dry birth.

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Aftersales and technical support

TTS Syncrolift has a world wide service and after sales network, to make sure we are close to the costumers.

In addition to providing training, upgrades and parts, TTS Syncrolift can offer service programs ranging from full service & maintenance programs to simply be there when it is needed.

We are here to make sure that you have the right quality equipment to get the work operation done, and have qualified personnel to keep your equipment working and up to date.

Training Program Fast Docking Solutions

We provide a training courses where we will make sure you feel safe handling your Fast Docking product. We will together with your people go through all the important components of your Fast Docking system, and show what you have to know about your system. Our training program can be used both for new and old Fast Docking systems.

TTS Syncrolift AS product overview