LASER DOCKING SYSTEM

LDS 2000 & 200E

Increase Safety
Improve Operation
Decrease Operation Costs
Laser Docking System LDS 2000 & 200E

- Berthing Aid System (BAS)
- Mooring Load Monitoring System (MLMS)
- Environmental Monitoring System (EMS)
- Loadarm Constant Monitoring System (LCMS)

**Laser Docking System LDS 2000 & 200E**

The MARIMATECH Laser Docking System LDS 2000 & 200E monitors and records the vessel approach and departure. It measures the distance from the dolphins to the vessel and calculates the approach speed and angle. The Laser Docking System provides this information to the pilot and the jetty dock master in several ways, such as very large displays mounted on the jetty, audio-visual alarms, hand held pagers and small portable graphic displays. The Laser Docking System helps protecting the fenders and dolphins from damage by warning the pilot and the jetty dock master in case of over speed.

MARIMATECH’s latest development is the satellite based DGPS Piloting and Docking System, the E-Sea Fix. It can be an add-on feature to the laser based system or a stand-alone system due to the latest technology in position accuracy. For further information about the E-Sea Fix, please ask for a separate data sheet.

**Environmental Monitoring System (EMS)**

MARIMATECH integrates a large range of specialised weather and oceanographical sensors into the Environmental Monitoring System in order to meet the individual needs. MARIMATECH’s software meets the international standards as well as the SHELL MetOcean system requirements. Usually, the EMS system is integrated into the BAS system.

**Loadarm Angle Monitoring System (LAMS)**

In order to protect the loadarms, MARIMATECH has developed a monitoring system which continuously measures the position of the loadarms. Most loadarms only have a proximity sensor to measure when the arm is in its’ outmost position. Using this traditional method does not give any warning before it could be too late. The MARIMATECH Loadarm Angle Monitoring System constantly measures the position of the arm and gives the operator a pre-warning allowing time to take action.

**LDS Features**

- EEx & non EEx
- Reliable
- Long Range
- Extremely precise
- Cost effective
- Large scale system integration