



## DESCRIPTION ASD/ATD COURSE

### BASIC LEVEL

#### GENERAL

The Azimuthing Stern Drive (ASD) and Azimuthing Tractor Drive (ATD) tug are one of the most versatile tugs around. To operate these tugs to their full potential, an intensive training is required.

To achieve optimum efficiency and high quality it is important that assessments and trainings are carried out in a realistic environment. Therefore, our training facility has one of the most advanced and realistic ASD tug simulators in the world. The simulator has a bright field of view of 360° and is equipped with identical Damen 2810/3212 bridge consoles and original navigation equipment. The second simulator has a 120° field of view and can be used for the same training scenarios. The simulators can be linked, which results in the possibility to practice realistic interactive towing and assisting scenarios with more tug boats involved. The used ship models all have realistic dynamic behaviour.

This basic training provides captains and mates an excellent opportunity to learn the basic skills to control and manoeuvre an ASD tug in a safe and efficient way. In a step by step program, the trainee will learn and understand the basics of the different ASD tug sailing, towage and assisting methods. The used training method and the use of a very realistic tug simulators results in one of the most effective tug training courses available.

#### TARGET GROUP

- Ship owners or crewing agencies who want to train captains or mates for sailing on ASD/ATD tugs;
- Crewing agencies that want to train captains for ASD/ATD tug deliveries;
- Ship owners or crewing agencies who wants to develop a "Train the Trainer" program;
- Individuals who wants to learn manoeuvring on an ASD/ATD tug.

OBJECTIVE	The general objective is that the participant is that the trainee will perform basic port operation manoeuvres on an ASD/ATD tug in a safe and efficient way
METHOD	<p>By applying a systematic practical program, the participant will gradually work towards the overall learning objective.</p> <p>Subjects theoretical sessions:</p> <ul style="list-style-type: none"> <li>• Mathematics in towage;</li> <li>• Various types of tugs;</li> <li>• Interaction effects;</li> <li>• Towage equipment;</li> <li>• Safety in towage.</li> </ul> <p>Subjects practical sessions:</p> <ul style="list-style-type: none"> <li>• General tug boat handling;</li> <li>• Mooring and unmooring procedures;</li> <li>• Manoeuvring in confined space;</li> <li>• Side step;</li> <li>• Assisting vessels.</li> </ul>
ON THE JOB TRAINING	360-Control features next to the realistic simulator training, the unique possibility to manoeuvre on a Damen ASD 2810 tug boat. If required a training session on board could be scheduled.
NUMBER OF PARTICIPANTS	<p>In order to have an above average practical training time on a simulator and to reach the highest possible level at the end of the training, we advise:</p> <p>1 to 3 participants when using one simulator and 3 to 5 participants when using two simulators</p>
COURSE DURATION	<p>4 days</p> <p>Other course duration possible in consultation.</p>
TIME	<p>Each day from 08:30 until 16:45 hours.</p> <p>Other training times in consultation</p>
INSTRUCTORS	Trainings and assessment will be conducted by qualified instructors with extensive manoeuvring experience on ASD/ATD tugs.
LANGUAGE	<p>English or Dutch</p> <p>Other languages in consultation</p>
CERTIFICATE	At the end of the course, each participant will execute an exam run. On successful completion the participant will receive a 360-Control "Basic level ASD/ATD manoeuvring" certificate.

LUNCHES	Lunches will be provided Should you have special requests, please let us know.
CONTACT	<p><u>Address</u> 360-Control Monnickendamkade 19A 1976 EC IJmuiden</p> <p><u>Contact</u> E : <a href="mailto:info@360-control.nl">info@360-control.nl</a> P : +31 (0) 255 820 250 W : <a href="http://www.360-Control.nl">www.360-Control.nl</a></p>
LOCATION	<p>The training centre is located in the port of IJmuiden, which is the entrance to the port of Amsterdam. Schiphol Airport and interesting sights such as the historical cities of Amsterdam and Haarlem are easy to reach.</p> <p><u>Travel time by car:</u> Schiphol airport: ± 25 minutes Amsterdam (centre): ± 40 minutes Haarlem (centre): ± 20 minutes IJmuiden beach: ± 5 minutes Zaanse Schans: ± 30 minutes</p>
HOTELS	Hotels with different quality levels are available in the vicinity of IJmuiden, however also the cities of Haarlem and Amsterdam could be interesting options to stay.
TRANSPORT	Transport to and from locations such as airports or hotels can be arranged by 360-Control.
INVOICE	Trainings costs and additional services carried out by 360-Control can be listed on one invoice.
GENERAL CONDITIONS	General conditions apply