

Content	Course No	Page
General information for all courses		3
Your benefits		4
Azimuth Thruster	SAC-101	5
Azimuth Thruster, controllable pitch	SAC-102	6
Retractable Azimuth Thruster	SAC-103	7
PumpJet	SAC-201	8
TransverseThruster	SAC-301	9
ControllablePropeller	SAC-401	10
RimThruster	SAC-501	11
Custom training on-site	SAC-601	12
Shiphandling Simulation	SAC-701	13
Captain training on board a vessel	SAC-702	14

General information for all courses



Your benefits

Customized course adaptations

Send us your questions, challenges or scenarios from your working environment. We may be able to integrate these into your customized course.

Practical & experienced trainers

Our trainers have many years of practical experience in the field and in teaching at the Academy.

Excellent training infrastructure

State-of-the-art classroom, training units and assemblies are available for training courses at the SCHOTTEL Academy.

Catering at the Academy

We will provide you with beverages, snacks and lunch free of charge during the training course.

Comprehensive course documentation

Every training participant receives comprehensive training documentation and a certificate of attendance.

Guarantee

Do you have any subsequent questions about training content? No problem, you will receive free information up to four weeks after the training from our experts.

Azimuth Thruster

Course no SAC-101

Training contents:

2-3 days

- Overview of the User Manual and Operating Instructions
- Design and function of SCHOTTEL thrusters and components, as clutches, hydraulics, electrics, pitch control, LeaCon if applicable
- · Hydraulic system design and function and explanation at training unit
- Read & understand your SCHOTTEL E-Plan
- · Electric steering in theory and at training unit
- · Replacement and integration of electronic devices in theory and practice, if applicable
- · Adjustments of the SCHOTTEL electronic system and explanation at training unit
- · Practical exchange of electronic devices including adjustments at training unit
- · Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.

vessel crew – mechanical and electrical. shoreside technical support, superintendents









Azimuth Thruster, controllable pitch Course no SAC-102

Training contents:

2-4 days

- Overview of the User Manual and Operating Instructions
- Design and function of SCHOTTEL thrusters and components, as clutches, hydraulics, electrics, pitch control, LeaCon if applicable
- · Hydraulic system design and function and explanation at training unit
- · Electric steering in theory and at training unit
- Read & understand your SCHOTTEL E-Plan
- · Replacement and integration of electronic devices in theory and practice, if applicable
- Adjustments of the SCHOTTEL electronic system and explanation at training unit
- · Practical exchange of electronic devices including adjustments at training unit
- Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.

vessel crew – mechanical and electrical. shoreside technical support, superintendents







Retractable Azimuth Thruster

Course no SAC-103

Training contents:

2-4 days

- Overview of the User Manual and Operating Instructions
- Design and function of SCHOTTEL thrusters and components, as clutches, hydraulics, electrics, pitch control, LeaCon if applicable
- · Design and function of retraction system in regard to mechanics, electrics and hydraulics
- · Hydraulic system design and function and explanation at training unit
- · Electric steering in theory and at training unit
- Read & understand your SCHOTTEL E-Plan
- · Replacement and integration of electronic devices in theory and practice, if applicable
- · Adjustments of the SCHOTTEL electronic system and explanation at training unit
- · Practical exchange of electronic devices including adjustments at training unit
- · Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.

vessel crew – mechanical and electrical. shoreside technical support, superintendents





PumpJet Course no SAC-201



Training contents:

1-3 days

- Overview of the User Manual and Operating Instructions
- Design and function of SCHOTTEL thrusters and components, as clutches, hydraulics, electrics, LeaCon - if applicable
- Hydraulic system design and function and explanation at training unit
- Steering in theory and at training unit
- Read & understand your SCHOTTEL E-Plan
- Replacement and integration of electronic devices in theory and practice, if applicable
- Special adjustments of the SCHOTTEL electronic system and explanation at training unit
- Practical exchange of electronic devices including adjustments at training unit
- Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.



To provide general knowledge

regarding installation, operation, maintenance, adjustment, diagnosis and repair procedures.

TransverseThruster

Course no SAC-301



Training contents:

1-2 days

- · Overview of the User Manual and Operating Instructions
- Design and function of SCHOTTEL thrusters and components, as electrics, pitch control, LeaCon if applicable
- · Hydraulic system design and function and explanation at training unit
- Read and understand the SCHOTTEL E-Plan
- · Replacement and integration of electronic devices in theory and practice, if applicable
- · Special adjustments of the SCHOTTEL electronic system and explanation at training unit
- · Practical exchange of electronic devices including adjustments at training unit
- · Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.

Suggestions of requests are welcome and may be integrated in your customized could

vessel crew – mechanical and electrical. shoreside technical support, superintendents



ControllablePropeller

Course no SAC-401



Training contents:

2-4 days

- Overview of the User Manual and Operating Instructions
- Design and function of controllable pitch propeller and shaft line, as clutches, hydraulics, electrics, pitch control
- Read and understand the SCHOTTEL E-Plan
- Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.

vessel crew – mechanical and electrical. shoreside technical support, superintendents



RimThruster Course no SAC-501



Training contents:

- Overview of the UserManual and Operating Instructions
- Design and function of SCHOTTEL RimThruster
- Read and understand the SCHOTTEL E-Plan
- Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your customized course.

1-2 days

vessel crew – mechanical and electrical. shoreside technical support, superintendents



Custom training on-site

Course no SAC-601



Training contents:

- Overview of the User Manual and Operating Instructions
- Design and function of SCHOTTEL thrusters and components, as clutches, hydraulics, electrics, pitch control, LeaCon - depending on installation
- Hydraulic system design and function and explanation
- Read and understand the SCHOTTEL E-Plan
- Explanation of operation & modes
- Replacement and integration of electronic devices in theory and practice
- Discussion: Maintenance and troubleshooting

Suggestions or requests are welcome and may be integrated in your costumised course.



vessel crew - mechanical and electrical. shoreside technical support, superintendents max. 12



To provide general knowledge regarding installation, operation, maintenance, diagnosis and troubleshooting.

Shiphandling Simulation



Training contents:

- Simulator bridges with view angles ranging from 270° to 120°
- SCHOTTEL specific controls for 360° azimuth steering
- Selected vessel types and weather/environment scenarios
- · Modelling of project specific environment and scenarios possible
- Modelling of client specific vessel possible

Suggestions or requests are welcome and may be integrated in your costumised course.

2 days

vessel crew – mechanical and electrical. shoreside technical support, superintendents

ort,

Captain training on board a vessel

Course no SAC-702

Training contents depending on application:

- · Basic operation and manoeuvring
- · Handling of SCHOTTEL azimuth thruster on board
- Free sailing
- Tug assisting methods

2-3 days

- Escorting methods
- Push-Pull methods

Suggestions or requests are welcome and may be integrated in your costumised course.

vessel crew – mechanical and electrical. shoreside technical support, superintendents



To provide general knowledge regarding installation, operation, maintenance, diagnosis and troubleshooting.



SCHOTTEL Academy

Mainzer Straße 99 56322 Spay / Germany academy@schottel.de Phone: +49 / 26 28 61-0