

# REQUEST FOR INFORMATION (RFI)

Please provide the below information, which Quantum will use for stabilizer selection purposes.  
For assistance in completing the form, please contact a Quantum sales representative.



|                   |                      |   |                      |
|-------------------|----------------------|---|----------------------|
| <b>Date:</b>      | <input type="text"/> | <b>Sales Enquiry Number: (Quantum Use Only)</b> | <input type="text"/> |
| <b>Ship Type:</b> | <input type="text"/> | <b>Application:</b>                             | <input type="text"/> |

|                    |                      |             |                |                      |  |                      |
|--------------------|----------------------|-------------|----------------|----------------------|--|----------------------|
| Original Shipyard: | <input type="text"/> | Single Ship | Group of Ships | Series/Class Name:   | <input type="text"/>                   |                      |
|                    | Hull Number:         |             |                | <input type="text"/> | Quantity of Ships in Series/Class:     | <input type="text"/> |
|                    | Ship Name:           |             |                | <input type="text"/> | Quantity of Ships needing Stabilizers: | <input type="text"/> |
|                    | IMO Number:          |             |                | <input type="text"/> | End User:                              | <input type="text"/> |

|                     |                      |                       |                      |
|---------------------|----------------------|-----------------------|----------------------|
| <b>Prepared by:</b> | <input type="text"/> | <b>Email:</b>         | <input type="text"/> |
| <b>Company:</b>     | <input type="text"/> | <b>Mobile Number:</b> | <input type="text"/> |

## Ship Characteristics

|                             |                      |                                |                      |
|-----------------------------|----------------------|--------------------------------|----------------------|
| <b>Length (Overall, m):</b> | <input type="text"/> | <b>Speed (Cruise, kts):</b>    | <input type="text"/> |
| Length (Waterline, m):      | <input type="text"/> | Speed (Service, kts): †        | <input type="text"/> |
| Length (Perpendiculars, m): | <input type="text"/> | <b>Speed (Max Ahead, kts):</b> | <input type="text"/> |
| <b>Beam (Overall, m):</b>   | <input type="text"/> | Speed (Max Astern, kts):       | <input type="text"/> |
| Beam (Waterline, m):        | <input type="text"/> | Survey Authority:              | <input type="text"/> |
| Beam (at Rub-rail, m):      | <input type="text"/> | Ice Class:                     | <input type="text"/> |
| <b>Draft (Design, m):</b>   | <input type="text"/> | Power Supply:                  | <input type="text"/> |
| Hull Material:              | <input type="text"/> | Grid Type:                     | <input type="text"/> |
| Hull Type:                  | <input type="text"/> | Dynamic Positioning:           | <input type="text"/> |
| Chine Type:                 | <input type="text"/> | Glass Bridge:                  | <input type="text"/> |
| Ship Propulsion:            | <input type="text"/> |                                |                      |

## Ship Load Conditions

| Load Condition | Displacement (tonnes) | GM (m)               | KG (m) or KM (m)     | Draft (m)            | Roll Period (sec)    |
|----------------|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Full Load      | <input type="text"/>  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Half Load†     | <input type="text"/>  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Lightship†     | <input type="text"/>  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

## Stabilizer System Requests

|                  |                                    |                                    |                                  |                      |
|------------------|------------------------------------|------------------------------------|----------------------------------|----------------------|
| Technology:      | <input type="checkbox"/> Fixed Fin | <input type="checkbox"/> XT™       | Ambient Temperature (°C): †      | <input type="text"/> |
|                  | <input type="checkbox"/> Maglift™  | <input type="checkbox"/> DynaFoil™ | Cooling Medium: †                | <input type="text"/> |
| Number of Units: | <input type="text"/>               |                                    | Cooling Temperature (Min, °C): † | <input type="text"/> |
| Operation Modes: | <input type="text"/>               |                                    | Cooling Temperature (Max, °C): † | <input type="text"/> |

† This information is optional. If not provided, Quantum will provide an estimate based on company norms.

The information provided in this document is the basis for the system sizing and will be held in confidence.

Any inaccuracies or changes to this information are to be reported to Quantum as they may affect the system specifications and projected performance.

# REQUEST FOR INFORMATION (RFI)

Please provide the below information, which Quantum will use for stabilizer selection purposes.  
For assistance in completing the form, please contact a Quantum sales representative.



## Ship Operational Requirements

Maximum Time at Sea/Year (Days):  Time between Dockings (Years):

## Stabilizer Loading Requirements<sup>♦ †</sup>

|            |                      |              |                      |           |                      |
|------------|----------------------|--------------|----------------------|-----------|----------------------|
| Sea State: | <input type="text"/> | Speed (kts): | <input type="text"/> | Time (%): | <input type="text"/> |
| Sea State: | <input type="text"/> | Speed (kts): | <input type="text"/> | Time (%): | <input type="text"/> |
| Sea State: | <input type="text"/> | Speed (kts): | <input type="text"/> | Time (%): | <input type="text"/> |

## Stabilizer Performance Goals

| Priority | Ship Speed           | Wave Conditions <sup>†*</sup> |                      |                      | Performance Criteria |                      |
|----------|----------------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|
|          | (knots)              | Height (m)                    | Period (s)           | Spectrum             | Roll Angle (°RMS) or | Roll Reduction (%)   |
| First    | <input type="text"/> | <input type="text"/>          | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Second   | <input type="text"/> | <input type="text"/>          | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Third    | <input type="text"/> | <input type="text"/>          | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

<sup>♦</sup> To estimate the sustained load on the stabilizers, the time the vessel will operate in a sea state and at a specific speed is requested.  
Please provide the time as a percentage per 12-month period.

<sup>\*</sup> If no direction is provided otherwise, roll reduction will be analyzed for the 1m resonant beam sea condition in JONSWAP waves.

<sup>†</sup> This information is optional. If not provided, Quantum will provide estimate based on company norms.

## Notes

Please use the space below to communicate any additional concerns or requirements to the Quantum team.

The information provided in this document is the basis for the system sizing and will be held in confidence.  
Any inaccuracies or changes to this information are to be reported to Quantum as they may affect the system specifications and projected performance.