



## MACS3 CONNECTED

One of the answers to future requirements for safe, environmentally-friendly and efficient vessel and cargo operations is applying digital technologies to every part of every vessel to generate comprehensive information on a vessel and its cargo's performance.

The web-based MACS3 Connected is an unique approach to providing results for dedicated loading computer calculations such as stability, strengths, bending moments, lashing, as well as cargo-related information regarding reefer and dangerous goods (DG) and hazardous materials in the cloud.

Whether in cases of emergency, claim management or cargo performance, the visibility of current loading conditions, their historical consideration in connection with ship data from the vessel profile, stability and stress, etc. enable a new and unique dimension of cargo and vessel performance - for ship owners, technical managers, liner operators as well as for port authorities.

MACS3 Connected can be used for all types of vessels. The Navis vessel library contains more than 6,000 vessel profiles, which MACS3 Connected has access to.

Furthermore, MACS3 Connected enables manufacturer-independent availability of stability, lashing and dangerous goods calculations via API services.

### BENEFITS

- ✓ Central and real-time availability of MACS3 loading condition-related information
- ✓ Enables a joint cargo and vessel performance analysis
- ✓ Availability of comprehensive lashing calculations according to the latest updates of major classification societies' regulations
- ✓ API Services for lashing, stability and DG
- ✓ Supports information sharing with relevant stakeholders of cargo operations

## USE CASES

MACS3 Connected is the platform for cargo performance that hosts various use cases. As of now the following use cases are available:

### EMERGENCY RESPONSE

- ✓ Anytime availability of fleet-wide loading conditions
- ✓ Immediate glimpse at cargo details for all stakeholders
- ✓ Visibility of emergency schedules (EmS) as per IMDG code
- ✓ Collaboration and download functionality
- ✓ Unlimited users

### CONTAINER CLAIM MANAGEMENT

- ✓ Search functionality with container number
- ✓ Providing a historical container movement report of all voyages on vessels of your fleet
- ✓ Visibility of container type and cargo details

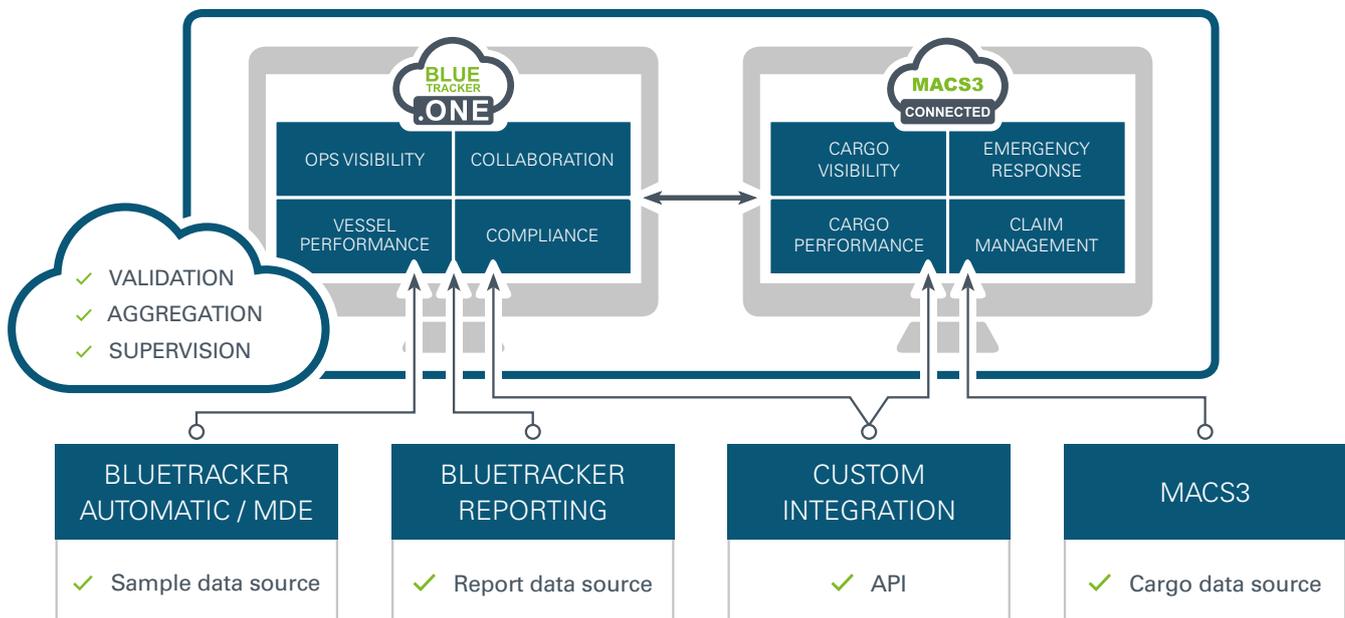
### DG CHECK FOR EDI

- ✓ Drag & drop the EDI file for DG check regarding potential DG conflicts in accordance with IMDG code
- ✓ Utilize MACS3 API services to gain a detailed analysis of DG calculation results

### CARGO KPI & STRESS ANALYSIS

- ✓ Ability to analyze the historical cargo & vessel data with regard to stress and stability
- ✓ Ability to analyze the historical cargo utilization per vessel

## VESSEL & CARGO PERFORMANCE ECOSYSTEM



If you have any questions or would like to set up an appointment with one of our representatives, please phone or e-mail us: