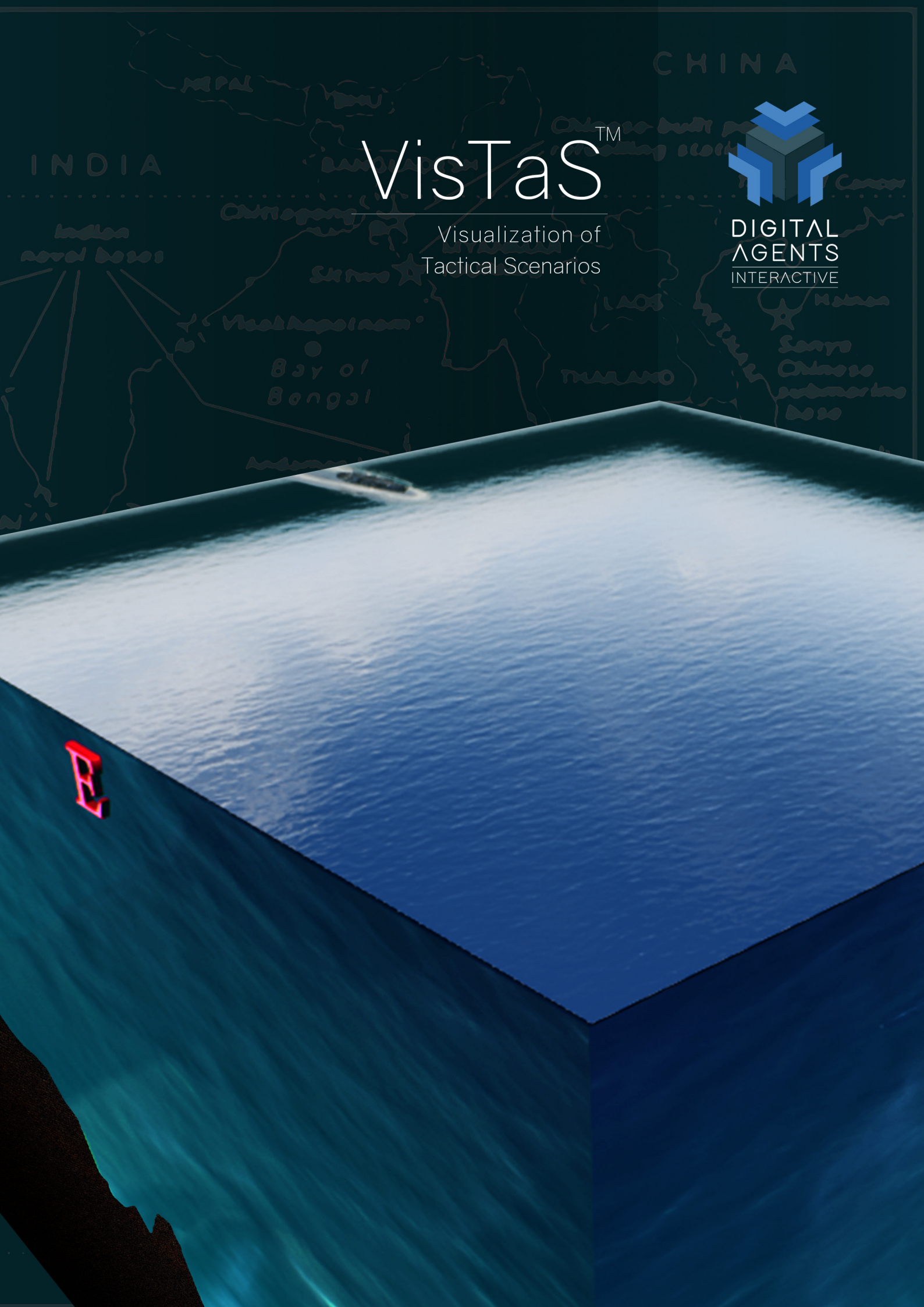
VisTaS™

Visualization of
Tactical Scenarios

DIGITAL
AGENTS
INTERACTIVE

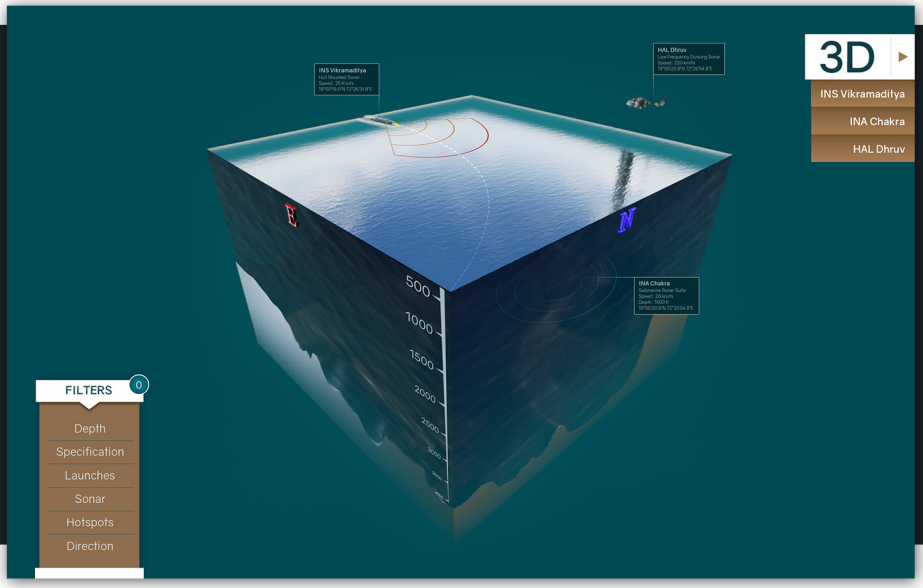


VisTaS™

Visualization of Tactical Scenarios (VisTaS™) is a software framework that allows visualization of Planning, Deployment, Threat Detection & Simulation of tactical scenarios involving various vessels and sonars and their movement with respect to time in 3D Space

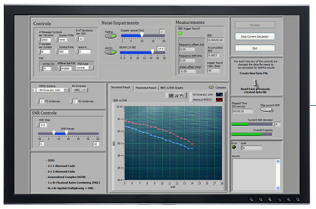
VisTaS™
GENERAL FEATURES

- Real time visualization of tactical scenarios in 3D Space
- Visualization of movement tracks of vessels in XY, YZ & XZ planes
- Visualization of angular deviation from the reference vessel/sonar in XY, YZ & XZ planes
- Easy toggle between different point for visualisation of scenarios from multiple reference points (common reference points or from individual vessels)
- Easy integration with existing GUI based simulation
- Visualization of ocean gradient & terrain
- Visualisation of vessel operations
- Visualization of deployment of sonars from vessels at specified time in space
- Display of real time asset information such as speed, depth, altitude, orientation etc. as a tool tip
- Pre-existing Library of Vessels for Scenario Visualization with following
  - Ship
  - Submarine
  - Helicopter



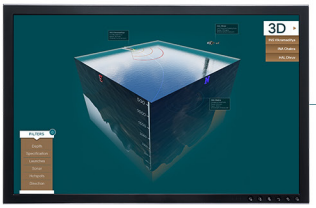
DIGITAL AGENTS INTERACTIVE

SYSTEM CONFIGRATION



GUI

Existing GUI for setting up of tactical scenarios and 2D visualization



VisTaS™

3D visualization of Planning, Deployment, Threat Detection & Simulation of tactical scenarios

Simulation Server

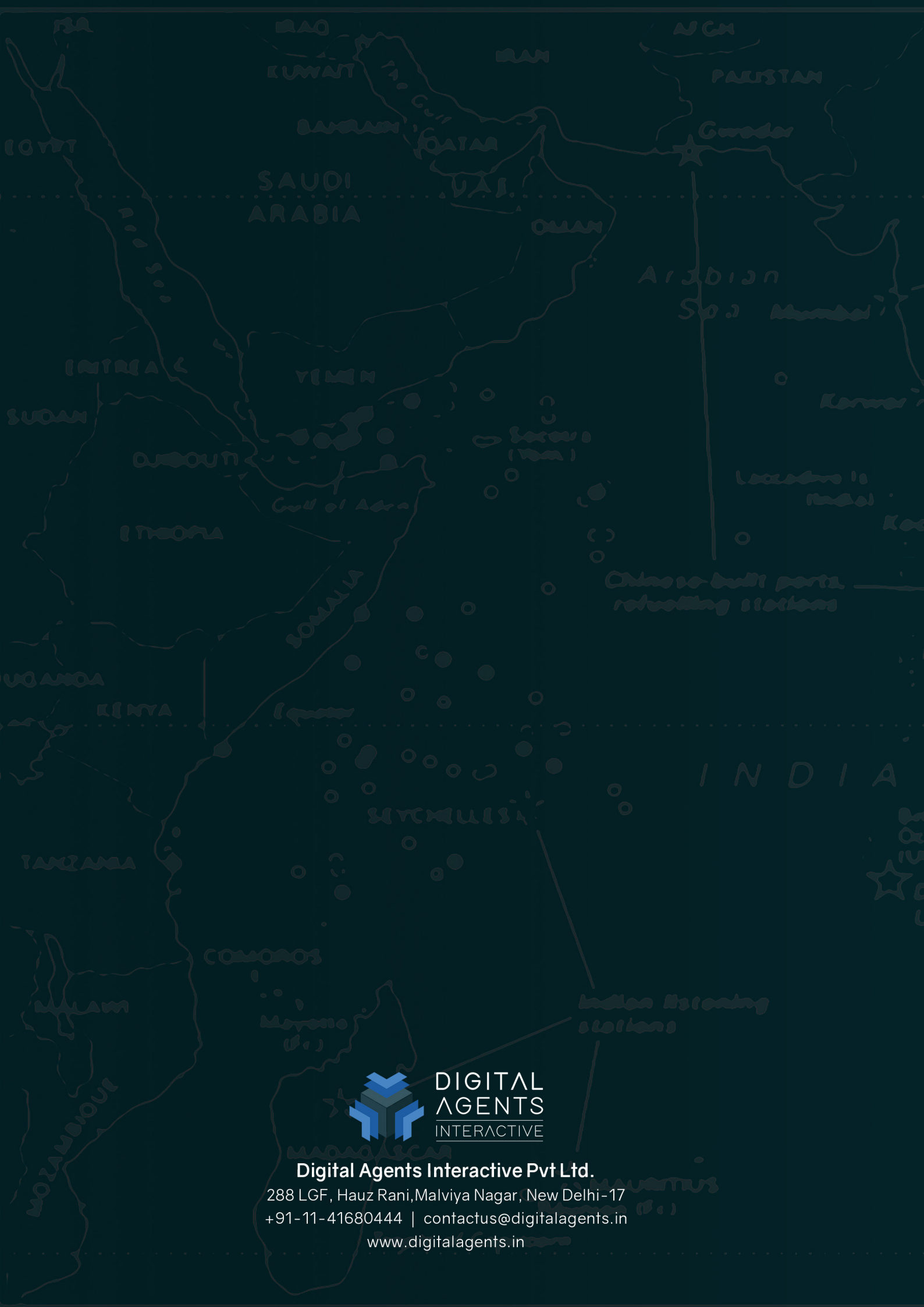
Simulation server running complex calculations and data processing

Operator Console

VisTaS™ *enable users to visualize real tactical scenarios and relate them with data on operator consoles for increased awareness.*

FULLY CUSTOMIZABLE SYSTEM

- Customization of 3D Vessels (3D Modeling, Unwrapping, Texturing, Lighting & Shading)
  - Sea Based Vessels
  - Airborne Vessels
  - Underwater Vessels
- Customization of 3D Water Based Environment
- Customization of Operations of Vessels and Deployment of Defense Weaponry
- Integration with Existing GUI Systems
- Integration with Existing Simulation Systems



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