Efficient boat building made simple – with SIMONA® PE FOAM

In response to growing demand within the domestic marine industry, the Spanish company Elimat manufactures work, rescue and transport boats made of PE-HD. One of the boats supplied by the company features SIMONA® PE-HWU for the hull and SIMONA® PE FOAM in different thicknesses for the interior fittings for the purpose of achieving greater efficiency.
SIMONA® PE FOAM sheets – light, UV-stabilised and durable

Initial situation
The Granadilla Environmental Observatory was looking for a boat suitable for its marine operations. Its activities include diving missions as well as technical and scientific support offered during the construction of the port of Granadilla. The Observatory also operates and maintains an extensive network of buoys containing environmental control instruments used for targeted data collection. Elimat received the contract for a high-specification vessel with a premium-quality.

Task
When designing the interiors of the bridge, Elimat wanted a solution featuring the same type of material as the hull for the purpose of achieving greater efficiency in processing. Additionally, the material had to offer the following properties:
- Good surface finish
- Low weight
- UV stabilisation
- Easy cleaning
- Low maintenance
- High resistance

Solution
Granadilla Environmental Observatory found the solution to their needs in the Elimat® P850i. Featuring a deep V-design hull made with SIMONA® PE-HWU, this boat is particularly well suited to operations in adverse sea conditions. SIMONA® PE FOAM for the interior of the navigation combines excellent processing properties with the benefits of high surface quality and low water absorption. Furthermore, the material features UV stabilisation as standard and has a scratch-resistant embossed surface. The outstanding combination of low weight and high rigidity makes SIMONA® PE FOAM the perfect choice for material-efficient boat building.