

The HandySCAN is part of Sharkweek 2015

CREAFORM PARTNERSHIP WITH GEERG

GEERG researchers rely on the support of several corporations and institutions to conduct their work. Their generous contributions extend the range and scope of our operations, and they allow us to spend more productive time in the field. Creaform is a key player of the Skalugsuak's repowering project. Thanks to Creaform's 3D scan of Skalugsuak's transom, our engineering team and Verreault Navigation will design and build a custom bracket for her new engines.

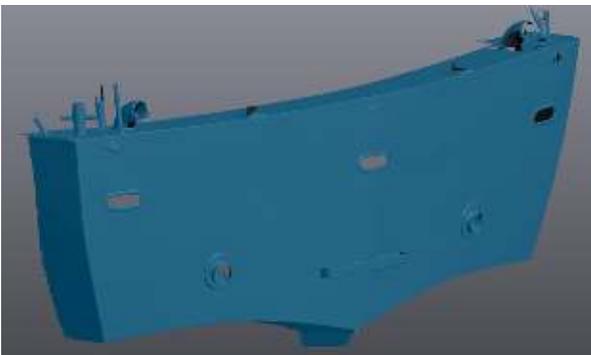
3D Digitalization of the SKALUGSUAK

To ensure good and efficient design of the new engine bracket and dive platform, Creaform was approached to generate an accurate 3D model of the actual boat which took place in Baie-Comeau, Québec, in December 2014. The team selected the HandySCAN 3D to perform this task—the portability and flexibility of this metrology-grade 3D scanner was a key factor.



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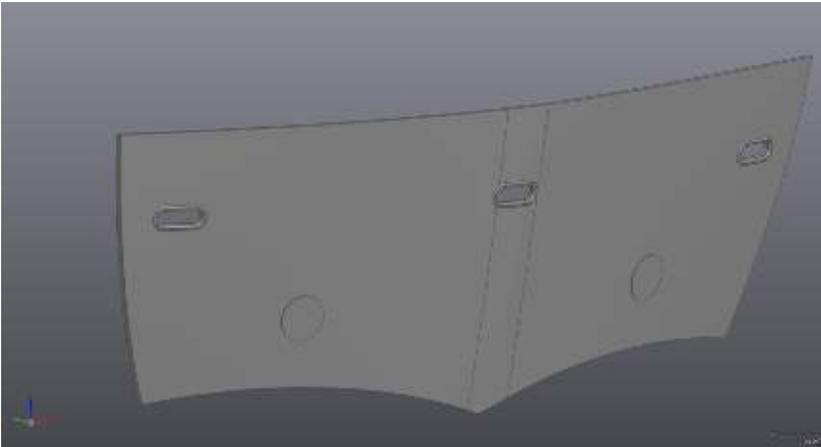
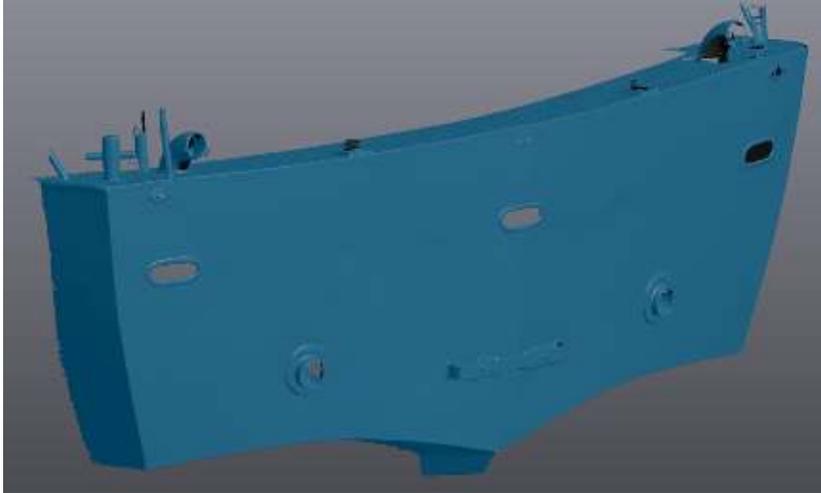
The Creaform technology is accurate, fast and automatically generates 3D models in CAD-ready formats (STL format). The picture below represents the 3D model of the SKALUGSUAK transom (rear).



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REVERSE ENGINEERING

From the 3D scan data, Creaform engineers performed the reverse engineering of the surface to recreate high quality NURBS for later use as reference for the new engine bracket and dive platform design.



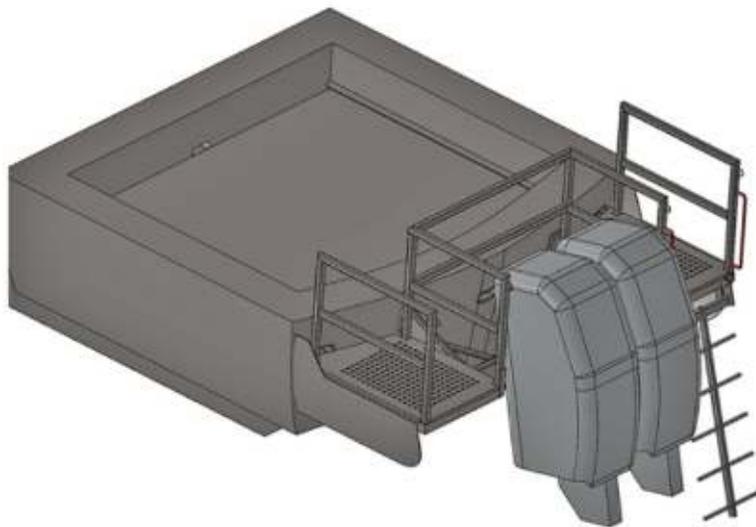
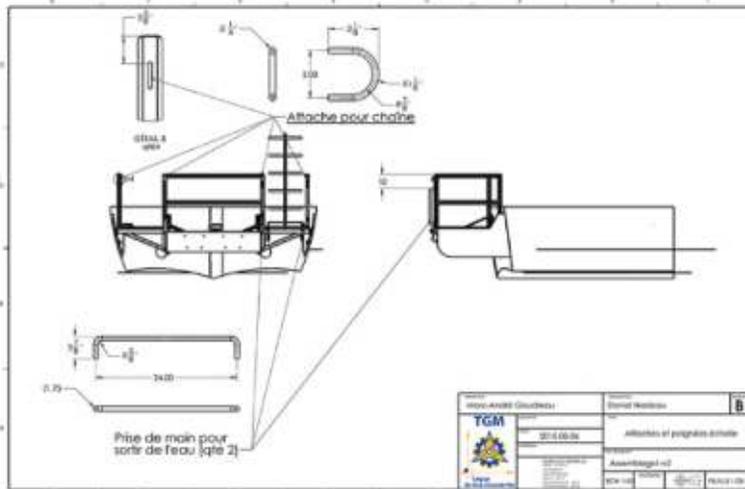
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ENGINE BRACKET AND DIVE PLATFORM design

With an accurate model of the attachment area, engineers from CEGEP de Drummondville and Centre de formation professionnelle Paul-Rousseau were able to design the new engine bracket and dive platform for the R/V SKALUGSUAK.



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