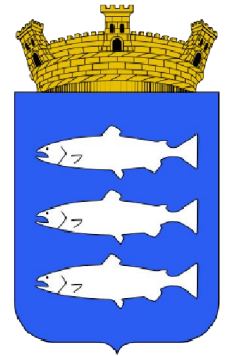




HarborTechnologies, LLC.



Architectural Pedestrian Bridge Fairing City of Mandal, Norway

Owner: City of Mandal, Norway

Engineer: AF Gruppen

Contractor: AF Gruppen

The City of Mandal designed a new pedestrian bridge which spanned the inner harbor. The architectural fairing on the underside also acted to house the hydraulics and motors for the lift section of the bridge. Both steel and concrete proved too difficult and expensive to work with and composites were chosen. Harbor Tech designed the sections in CAD, had the sections molded with a five axis router, built the tooling, manufactured the multiple sections and shipped them via container to Norway. Though not a standard product line item this demonstrated Harbor Tech's design and manufacturing capabilities.

Eight composite sections were supplied in eight unique shapes and sizes.



Composite "Blubs" out of their mold



Completed Bridge in Norway