



News from STEELTECH

Nr 1, june 2019



The new steel panels, with a motif depicting the Gothenburg road network, cut using laser technology. An impressive sight – not least in the evening and at night when the back-lighting behind the steel panels is illuminated.

Contributing to a more attractive traffic environment in central Gothenburg

700 metres of acid-proof stainless steel with laser-cut details!

This is Steeltech's contribution for a better looking traffic environment in central Gothenburg. The assignment is part of the E45 project, "Lilla Bommen-Marieholm", which was commissioned by the Swedish Transport Administration and is being implemented by Peab. This is undeniably an odd assignment for Steeltech, yet it is a recognition of the company's technical know-how.

The project aims to adapt the E45 motorway and integrate it with a new river and rail yard connection, the development of Gullbergsvass and a future design of Marieholmsmotet. The reconstruction of the European highway

E45 from Lilla Bommen to Marieholm involves lowering this busy road into the ground in the Gothenburg centre, between Stadstjänaregatan and Falutorget. This road link will be lowered by about 6 metres for a distance of

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about 700 metres. Half of this stretch will also be covered, creating the possibility of erecting buildings on top of the tunnel roof.

Along with the lowered road, which is supported by a wall, the customer wanted to enhance the experience by dressing the grey concrete walls with durable sheet metal panels with a laser-cut, typical Gothenburg motif – in this case the Gothenburg road network seen from above. Between the metal panels and the concrete wall behind it, lighting will be mounted to further enhance the experience. Something that surely will draw attention – not least in the evening and at night.

“Our assignment was to produce three-metre tall, sheet-metal panels in acid-proof stainless steel, each panel 21 metres long. In total, we are talking about two 350-metre sections of laser-cut sheet metal to cover both the north and south sides of the tunnel entrance,” says Björn Sjölin.

Additional requirements of this assignment were to create drill templates to be able to drill approximately 7,000 wall anchors with threaded rods that will join the panels and align them with each other – precision-work at which the Steeltech engineers excel.

Assisted by Swea Group, a Gothenburg-based subcontractor, the installation work is also part of the project, which is being supervised by Patrik Strandberg, Sales Manager at Steeltech.

“This assignment proves that we have a high level of competence in many different fields. We look forward to learning from this special project and gaining experience from it,” says Björn.

Currently, Steeltech is producing the steel panels with continuous deliveries to the installers on-site.



Patrik Strandberg (right) with Patrik Magnusson at Peab on site at the project “E45, Lilla Bommen-Marieholm”. Here, Steeltech will supply 700 metres of laser-cut sheet metal.

This contract is scheduled for completion by May 2021. It will result in improved road safety in the area, whilst contributing to new opportunities for central urban development in Gothenburg.

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