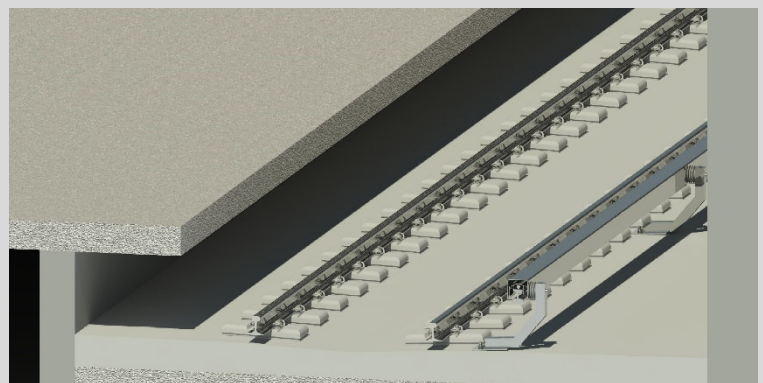




SCHEMBERA  
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# METRO COPENHAGEN

## PROJECT SHEET



PROJECT	Metro Copenhagen, Project Cityringen, Branch off to Sydhavnen,
LOCATION	Copenhagen, Denmark
CLIENT	Rhomberg Bahntechnik GmbH
PERIOD	August 2018-June 2024
DESCRIPTION	<p>On behalf of Metroselskabet (MS), the subway network in Copenhagen will be expanded and shall include the Cityringen project. Part of this project is the 4.6 km long branch off to Sydhavnen. This section is located entirely in the tunnel and consists of 5 stations and 2 scissor crossovers. The tracks are being built in the track system LVT HA and as Mass-Spring System.</p>
SERVICES	<p>Technical Director, Design Manager, design of the turnouts in the railway track system LVT, design of the railway track in stations and tunnels in the track system LVT-HA, design of the railway track system in the Mass-Spring System areas. These design services were made in the preliminary design stage as well as in the detail design stage (execution plans and documents). After construction, the As-built documentation was made.</p> <p>In addition to this, the 3<sup>rd</sup> rail layout for the tunnel, the stations, flood gates and the scissor crossovers was designed in the design stage detail design and the detail design drawings were made. Therefore, an analysis of the constant contact of the vehicle collector shoe with the 3<sup>rd</sup> rail in the 3<sup>rd</sup> rail gaps was performed.</p> <p>The alignment of the connection between the existing tracks of Cityringen and the new tracks to Sydhavnen was adapted to the as-built situation of the tracks in Cityringen side.</p>