

Reference project

Access flyover in the ferry terminal in Świnoujście



ASECON
ENGINEERING CONSULTANTS

Client:

Municipal Port Authority in Szczecin and Świnoujście, JSC

Project scope:

Infrastructure adaptation of the ferry terminal in Świnoujście to handle intermodal transport

Design scope:

Conceptual, basic and detailed design.

Collaborators:

Antea Polska S.A., WLC Inżynierowie.

Project description:

The designed flyover will enable road traffic between the existing manoeuvring yard at the ferry stand. No. 5 and the planned external parking lot at Duńska Street.

The deck is curved both in plan and in profile with radius of 245 m and 800 m respectively with the latter limited by straight 9% sloped sections at both ends.

The five span beam superstructure consists of two composite variable depth steel girders spaced at 5 m. The girders at the piers were designed as a double composite, which significantly reduced the weight of the steel structure and enabled efficient assembly with mobile cranes over the railway tracks.

