

Monor, Highway Engineering and Police

The project included the design and implementation of combined engineering, whose task is to operate and maintain a given part of the national road network.

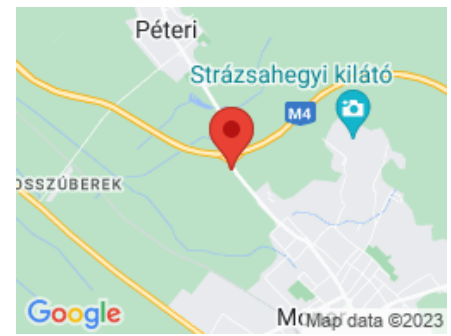


Related products

> **Liberta Elegant 500**

Partners

- > Investor : NIF National Infrastructure Development Private Limited Company
- > Architecture: Uvaterv Zrt. Gyula Medek
- > General constructor: Horváth Építőmester Zrt.
- > Distributor: Lambda Systeme Kft.
- > Photographer: Zsolt Hlinka



The following buildings were installed to perform the above functions:

Social office building; Salt storage building; Police building; Workshop building; Garage; Adapter storage and warehouse. The last 3 buildings feature Ruukki's cover with hidden fixings.

As additional parts of the complex program, a rainwater reservoir, a bridge scale, a covered minibus parking lot and outdoor storage facilities, as well as landfills were planned, but there was also a fuel station with Ruukki's standard and special (corner and U-shaped) elements.

Location:

The plant was installed beside the M4 motorway interchange.

Structural design:

The roof structure of the salt storage has a glued wooden beam. The substructure has a reinforced concrete pillar frame -, buttress design. The social building and police station have a monolithic reinforced concrete pillar frame with frame-filling masonry.

The other hall buildings have long-span structures, designed with a prefabricated reinforced concrete pillar frame and main beams, with a load-bearing trapezoidal sheet roof.

Facade and mass shaping:

The social building and the workshop hall are connected to each other in L-shape. The long walls of the hall have horizontal sandwich panels, while the end-walls are covered with Ruukki Liberta Elegant 500 steel facade elements on liner tray sub-construction.

The cladding of the fuel station, the large suspended canopies running along the longitudinal facade of the halls, as well as the cantilevered canopies above the smaller gates were uniformly covered with the Liberta.

The vertical dimensions of the facades were designed in multiples of 50 cm. The horizontal panels, the doors and windows, and the Liberta elements of the end walls, which are also 50 cm high, fit into this, so that all buildings have a uniform facade appearance.

Related products (2022):

- 1444 m² Liberta Elegant 500 RR23
- 90 m² Corner Liberta Elegant 500 RR23
- 1523 m Hiarc coated support stud
- Accessories: flat sheet, starter profile, screws etc.







