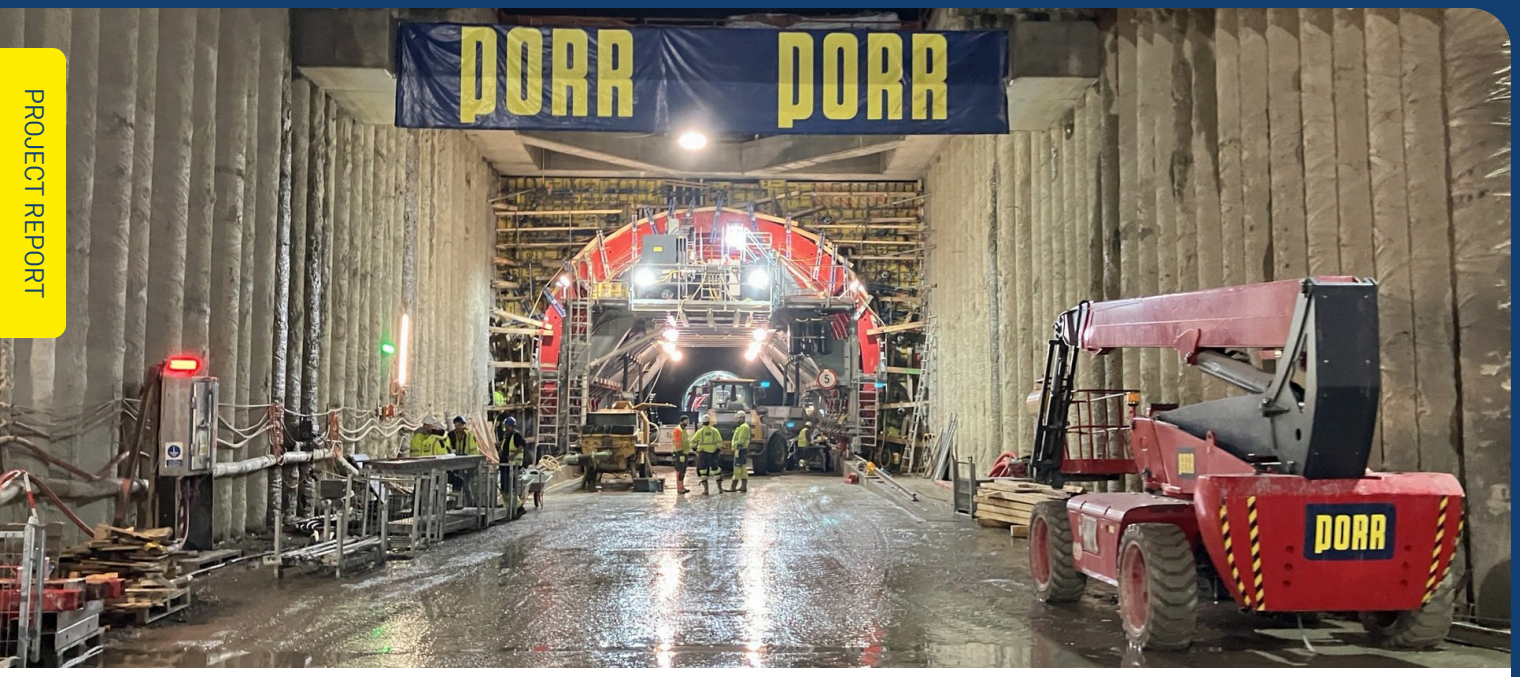
PROJECT REPORT



Sibiu–Pitești Motorway, Section 4, Momaia Tunnel

Data and facts

Company	PORR Bau GmbH, PORR Construct S.R.L.
Type	Tunneling, Road construction
Runtime	10.2023 - 02.2026
Principal	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE (CNAIR)

Project report online

www.porr.at

First use of the NATM construction method in Romania

Commissioned by the Romanian motorway authority CNAIR, this major project – comprising a twin-tube tunnel with two lanes in each direction – is Romania's first motorway tunnel to be constructed using the modern New Austrian Tunnelling Method (NATM).

The complex geology presented a particular challenge. Layers of unstable clay, silt and sand alternated with one another. This was ideal for the use of NATM, in which the surrounding rock is utilised as an active part of the support system. In addition to the tunnelling work, PORR was therefore also responsible for the internal formwork concreting as well as the control and safety systems.

This infrastructure project thus demonstrates not only PORR's broad service portfolio, but also its innovative and precise construction methods – particularly in challenging conditions.

Impressions

1

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Image notes

1

Inner shell of the vault

Concreting of the portal wall and the first inner shell block

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Tunnelling NÖT

Drilling the pipe screen

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NÖT tunnelling

Reinforcement work on the SPC base

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Tunnelling NÖT

Tunnel driving / Demolition of a barrel-vaulted ceiling

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Tunnelling NÖT

Schuttern

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6

Tunnel construction site facilities

Construction site facilities in glorious sunshine

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Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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