

EFFICIENT TECHNOLOGY FOR ASPHALT COMPACTION

BOMAP AND ASPHALT MANAGER – INTELLIGENT TECHNOLOGIES IN ACTION.



PROJECT AT A GLANCE

Client

Motorway directorate North Bavaria

Location

Fürth/Erlangen motorway junction – A3/A73

Project description

- Reconstruction of the Fürth/Erlangen motorway junction (A3 and A73)
- Application of new asphalt (300,000 m²) on a total area of 6 km (2.4 km porous asphalt and 2.3 km low-noise asphalt)
- The Max Bögl group of companies tested the BW 174 AP Hybrid with ASPHALT MANAGER and the BOMAP compaction app
- Field test in the night from 14 to 15 July 2019: About 3,000 t of bearing course was applied and compacted with four BOMAG tandem rollers

Contractor

With approximately 6,500 employees at more than 35 locations worldwide and an annual turnover of more than EUR 1.7 billion, the Max Bögl group of companies is one of the largest construction, technology and service companies in the German building sector.

Project duration Start: 2017 – Planned end: 2021

Machine equipment

- BOMAG single drum rollers: 1 x BW 174 AP AM Hybrid, 2 x BW 174 AP AM, 1x BW 154 ACP-4 AM

BOMAG technologies used:

Hybrid: The new BW 174 AP AM

- Innovative drive technology through the combination of hybrid and diesel engine
- Excellent economy thanks to ECOMODE and ECOSTOP

BOMAP – your smart helper on construction sites

- Live compaction values and progress
- Networks compaction machines from any manufacturer
- Reduces consumption, wear and CO²
- Free app download for Android systems

ASPHALT MANAGER – guarantees best compaction results

- Infinitely adjustable and automatically controlled compaction
- Integrated measurement of the compaction parameter EVIB
- Optimal number of passes ensures highest efficiency

The measured and documented results were constantly monitored and evaluated. During the ongoing test, it was possible to establish that BOMAP offers real benefits, especially when used in conjunction with the external GPS receiver. The evaluation revealed a reduction in fuel consumption of 18% for the hybrid roller.

