

# URSA MAJOR <sup>★★★</sup> neo

## A3 Frankfurt Airport Line Control System

### Mobility hub Hessen - New traffic control on the motorway A3

On the Hessian motorways, there is a large number of traffic daily; no other German state has a higher average traffic volume on its motorway network than Hessen. In the Rhine-Main area, European transit traffic overlaps with daily commuter traffic, the traffic to the airport and other destinations of international importance.

The section of the motorway A3 between Wiesbadener Kreuz and Frankfurt-Süd includes the Frankfurter Kreuz, one of the most loaded intersections in Europe, and links directly to the Frankfurt Airport. The new line control system with integrated temporary hard shoulder running makes a significant contribution to increasing the traffic efficiency and safety.

### Reduce congestion and accidents

The 29 traffic sign gantries together with four roadside displays ensure that safety-critical conflict situations are avoided and the risk of congestion is reduced.



The system also serves to protect roadworks and broken down vehicles and to warn of adverse weather conditions.

Hessen Mobil is taking a pioneering role in the use of the temporary hard shoulder running, now covering a length of around 92 kilometres. With the hard shoulder running, the existing infrastructure is used flexibly. The specific increase in the route capacity with high traffic density avoids congestion and at the same time traffic safety is increased and the environment is protected.

### New: Multifunctional display

New is a large multifunctional display in front of junction Kelsterbach, which spans the entire roadway at a sign

bridge. This is the first display of this type in Germany which, depending on the traffic situation, can also be used to provide information about congestions and routing recommendations in addition to its regular function for the control of the lane.

In this case, the function corresponds to a dynamic VMS with integrated congestion information.

The Traffic Control Center Hessen in Frankfurt operates the systems. Hessen Mobil has developed its own control model SARAH (route control with anticipatory rule-based approach), which calculates the optimum control setting in 15-second intervals.



### For further information please contact

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