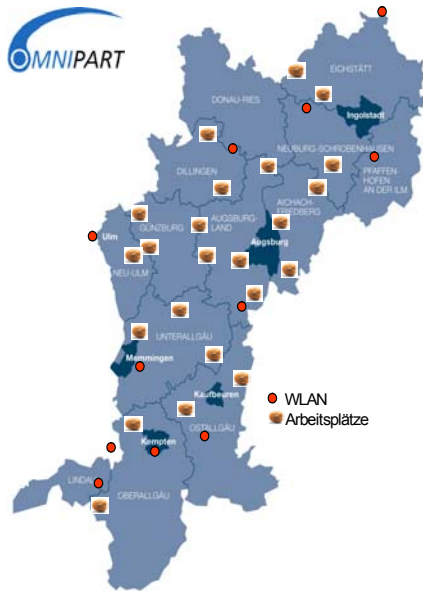


# *PSItraffic/Regio: Operation Control System for a group of bus operators in Southern Germany*



## **The Operators**

Omnipart is a consortium of ten medium-sized bus operators that provide mass transit services to around 170,000 passengers each day in a rural area of Bavaria.

PSI was awarded the contract to implement a regional computer-aided control centre system and to equip more than 850 buses over 270 routes with the necessary technology.

## **The Solution**

PSItraffic/Regio, the control centre system with enhanced multi-user capability, is a cost-effective solution offering a shared system infrastructure, rapid response to incidents,

comprehensive information for passengers, and high connection reliability for the areas serviced by all participating companies.

A demand-based ride request centre was also implemented and subsequently integrated into the regularly scheduled routes in order to further enhance service and extend the mass transit system to outlying areas.

## **The shared application model**

Omnipart offers access to its control centre system to both its cooperation partners and any competitors who would like to pool their efforts in the group, for a cost efficient monthly fee.

The Omnipart system provides all software for planning, billing, and control centre operations, together with all the necessary expertise to support operators who participate. The participating operator companies merely need to install a control centre workstation in their own offices and establish a data connection to the Omnipart server via the public telecom network. Ticketing machines with the necessary intelligence (onboard computers) are provided by Omnipart for installation in the buses of the participating companies. Once the operator's timetable has been imported the control centre application is online and all of the data communications, ticketing and any other desired applications can be brought into operation. The operator's dispatcher is now able to monitor and control the fleet. He or she can also communicate with drivers and provide passengers with dynamic passenger information.

The initial investment costs are effectively shared and operating costs are kept to a minimum which makes the monthly rental affordable for even the smallest participating operators. Likewise technologies such as VoIP and intelligently routed data and communication flow, gives operators more flexibility in their control centres especially when they are not operational full-time.

Meanwhile important corporate data stays secure in the PSI system which ensures that individual operator data is only available to authorised persons.

However, whilst important commercial data remains protected and is not shared, various types of cooperation and interchange of information can take place. For example, a franchiseholder can track its subcontractors.

A new participating operator can be integrated into the system in a few weeks. All companies working within this group can provide information to passengers automatically and dynamically via a real-time information system that extends throughout Bavaria which is a great advantage for all passengers travelling in the area.

PSI is confident that more transit operators and organizations will (need to) take this step. Individual operators offering smaller-scale services can implement the innovative PSI control centre systems to offer enhanced services by simply joining a connected control centre system in their region.

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