

Traffic Controller *ACTROS*

**Innovative Technology
for multiple Applications**

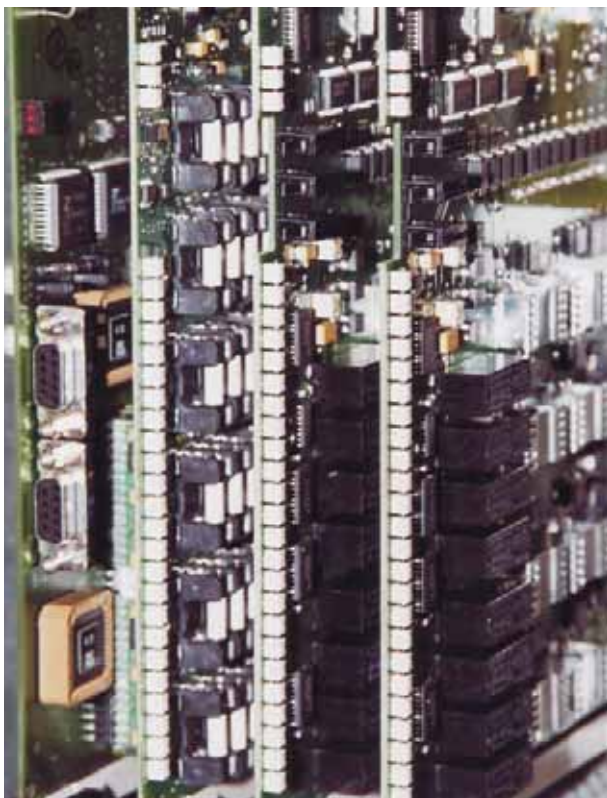
Traffic in motion 

 **Signalbau Huber**

The Requirement: Complex Traffic-dependent Control Systems

A modern traffic management without advanced, high-performance traffic light systems is not imaginable any more. Only a strictly traffic-dependent control is able to further increase the capacity of the existing road system.

Securing and optimizing the traffic processes is only one major objective of today's traffic management. Other factors as priority for public transport and the reduction of pollutant emissions by waiting vehicles must also be considered. On this background, intelligent control systems are the only economical solution. Fast information processing and high reliability are thus important requirements to next generation control systems. To enable the cost-efficient operation of such systems it is essential that they are easy to supply with power and easy to use.

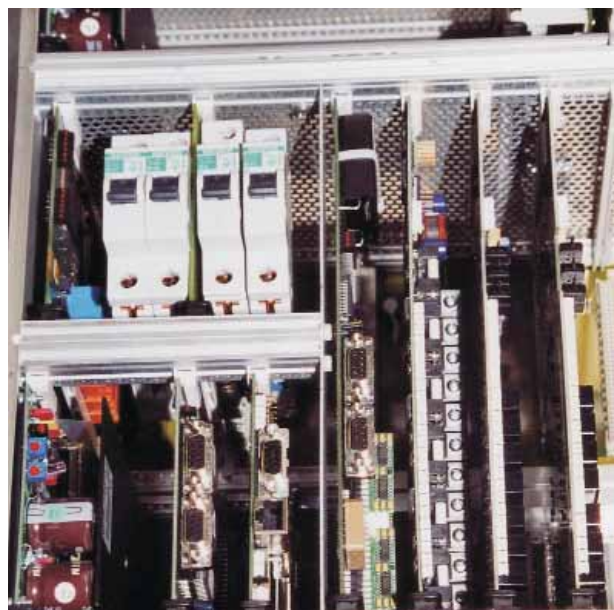


The solution: **ACTROS** by Signalbau Huber

The *ACTROS* control system by Signalbau Huber allows for the implementation of demanding and smart traffic control systems. By the use of standardized and upgradable new technologies current and future requirements to traffic control are taken into account.

This advanced conception makes *ACTROS* fast – fast with a look at its processing speed and fast with a look at the power supply and operation of the system. Its modular design makes the device extremely flexible and allows for an optimized adaptation to customer-specific requirements.

Even for complex control concepts, *ACTROS* facilitates the cost-effective implementation of tailor-made solutions. It can either be used as individual solution or it can be integrated in centralized networks or connected to traffic computers and information systems. Manufacturer-specific and standardized interface protocols as the OCIT open central interface are included in the concept. Simple handling for maintenance and operation round off the overall picture.



ACTROS: Innovative Technology

The innovative *ACTROS* technology opens up a whole range of new possibilities. Already today, a future-oriented philosophy considers the requirements of tomorrow's traffic engineering.

Internet technologies as dynamic web sites enable the ergonomic operation of *ACTROS* even from remote locations via a web browser. Thanks to the use of standard protocols the remote control and diagnosis can be carried out via wired systems as well as by radio transmission. Integrated access mechanisms enable the online analysis and remote diagnosis of all components. Advanced programming tools as Java and XML support the effective implementation of the most complex traffic concepts. Updated system software can be easily accessed, downloaded and installed.

The strictly modular system architecture of *ACTROS* assures a high level of protection for your investment. A high-resolution measuring system, for example, facilitates the adaptation of LED signal heads of future generations. Updates can be implemented easily. The highly integrated, compact design even allows the adaptation of existing control devices to *ACTROS* technology.

To implement a consistent concept in traffic planning, programming and power supply, it is possible to establish a link to an XML-enabled traffic engineer's workstation.

With *ACTROS*, the specific requirements of even the most extensive nodes can be met. The connection of a wide range of traffic control components further broadens the bandwidth of possible applications. For example, it is possible to connect the whole spectrum of available detectors. And, of course, it is also possible to carry out measures to prioritize public transport.



ACTROS line: Decentralized Technology

The *ACTROS line* Technology is future-proof and demonstrates the flexibility of the *ACTROS* traffic controllers in an impressive way: Decentralized control modules are integrated into the *ACTROS* control system by means of a simple and flexible bus system. Compared to conventional, central control technologies, the decentralized control modules of *ACTROS line* enable a considerably, more precise signal control. *ACTROS line* control modules are even able to monitor future LED signals, which cannot be perceived by centralized control technologies.

The integration of decentralized sensor modules for induction loops, video detectors and infra-red detectors as well as request buttons make *ACTROS line* an ideal solution for integrated system solutions and sophisticated intersection control.

The principle of bus technology and the compact configuration of *ACTROS line* open up a multitude of applications: *ACTROS line* is the first choice for the realization of traffic light systems with several – even distant – junctions. Further on, *ACTROS line* is the ideal solution for the expansion of existing traffic light systems: Its clear structure reduces the time for modification at the intersection and therefore minimizes traffic congestions.

Of course, the decentralized control modules of the *ACTROS line* technology can be optionally combined with centralized components of *ACTROS*.

The System: ACTROS and OCIT

Due to their open system structures, *ACTROS* traffic controllers can be networked via standardized OCIT interfaces. For this reason, they are in the focus of modern integrated traffic systems: ranging from the traffic computer (e.g. the OCIT-compliant traffic computer VRS 5000) to the traffic controller up to actuators like LED signal heads according to OCIT standard. Moreover, the *ACTROS* systems can be upgraded by the connection of incident reporting systems or systems for public transport priority.

Signalbau Huber Company Profile

For more than 50 years, Signalbau Huber has been operating in the field of traffic control and traffic guidance. We develop and implement innovative traffic management systems based on the long-time know-how of experienced and highly qualified employees. Our diversified product range enables us to provide the optimal solution for every traffic-technological requirement.

Signalbau-Huber is operating internationally and is represented in many countries.

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