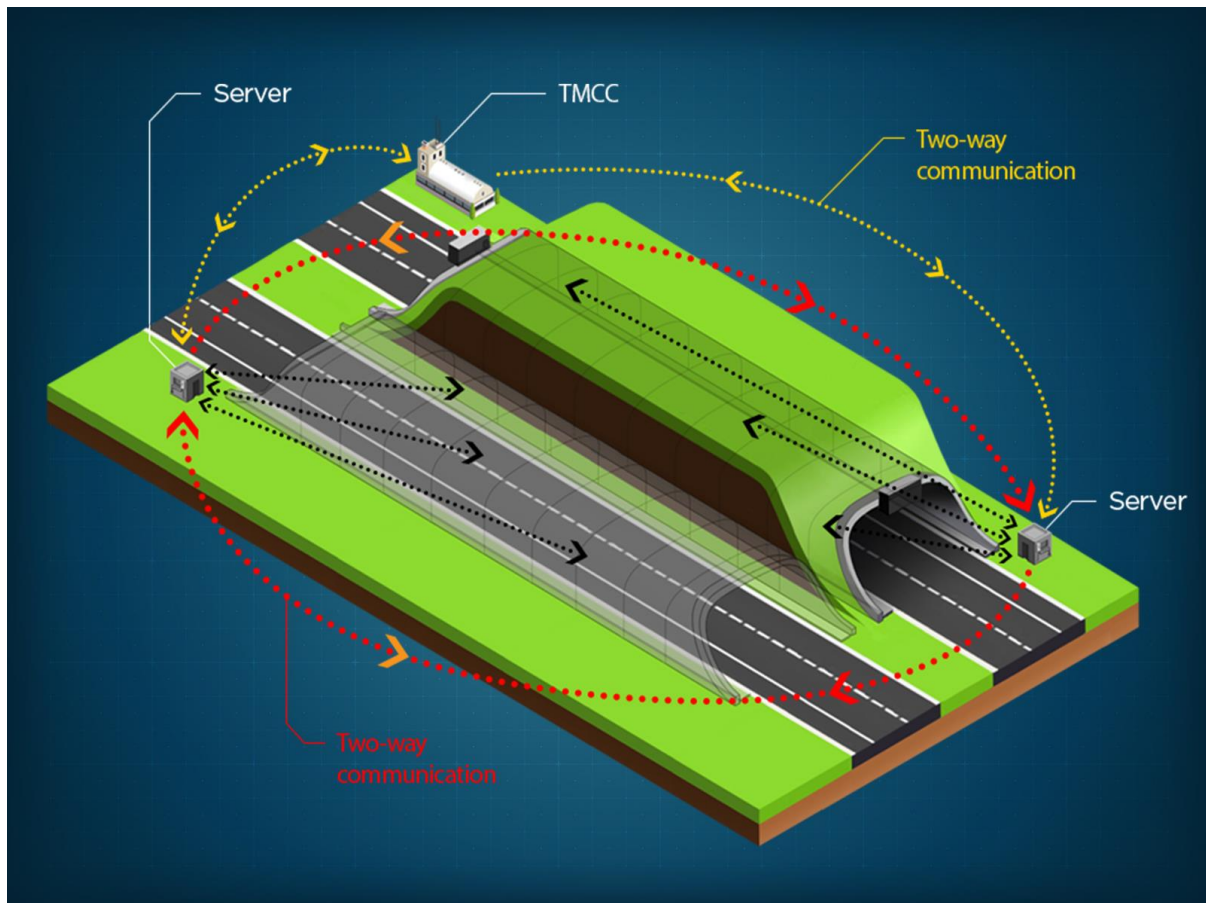


BS HUSKY

The main idea of the system for highway control and management is to transfer information quickly and safely from the specific elements on the route to the center for control and management and vice versa. In that regards, the ideal architecture is a client-server architecture where there should be one main (fully redundant) center for control and management with data center and several control centers. Geographic location of the centers would be transparent for the elements on the route. They should gather and process information from the entire corridor and distribute it to the client applications located in control centers along the route.



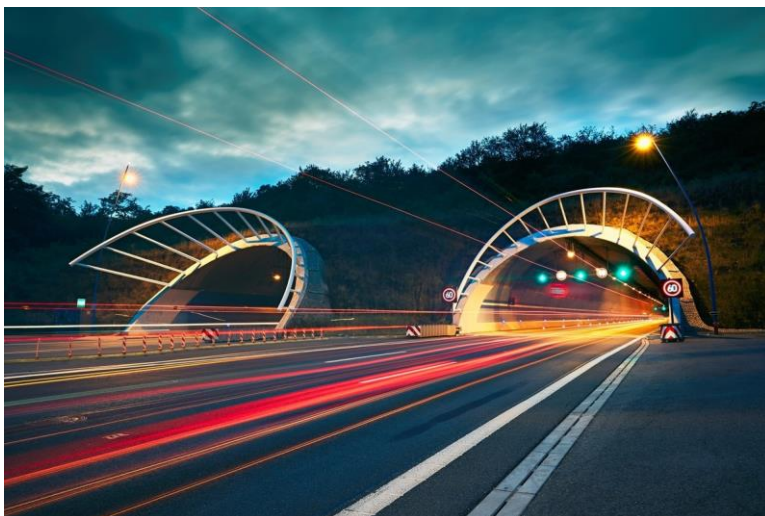
BS Husky application

BS Husky application is an architecturally advanced solution that is used for managing of parts or the entire system with efficient multitasking and User Management. Scenarios allow quick reaction to certain incidents in tunnels. The system has an integrated policy for standard and advanced traffic management scenarios as well as scenarios for ventilation, transformer stations, lighting and has the possibility of adding new ones



Task of BS Husky system

- Process visualization
- Recording of events and alarm messages
- Data backup
- Predicting trends
- Traffic control and management in all traffic regimes
- Integrated system for automatic detection of incidents



The advantages of our solution

This solution follows technological trends (cloud computing, virtualisation etc).

System upgrade in horizontal and vertical sense has no limits. Implementation of flexible system for control and management makes the system open for all equipment which is more advanced technologically, and it also makes the system independent from all or any specific equipment manufacturers. All centers are positioned into a network of centers where each center can take control over any other center or any other tunnel in the network.

Center with this kind of architecture can control already equipped tunnels as well as tunnels in construction (providing the appropriate HW)

The centers support operation on virtual infrastructure which results in easier and shorter recovery time after hardware problems. This shortens or completely eliminates system operation in non-redundant mode due to one server failure.

Considering the fact that system monitors all end elements of the objects (fire-alarm system, ventilation system etc.) and all elements of neighboring objects that are interconnected in network, it is possible to create very complex rules that can harmonize traffic on all desired objects.

