

Roadside ITS station specifications

- What are the ITS applications to be hosted by the ITS-Host?
- How should the Roadside ITS-S interface with sensors and traffic signals and signs?
- How should the Roadside ITS-S interface with the Vehicle Subsystem?
- How should the Roadside ITS-S interface with the Personal Subsystem?
- How should the Roadside ITS-S interface with the Central ITS station

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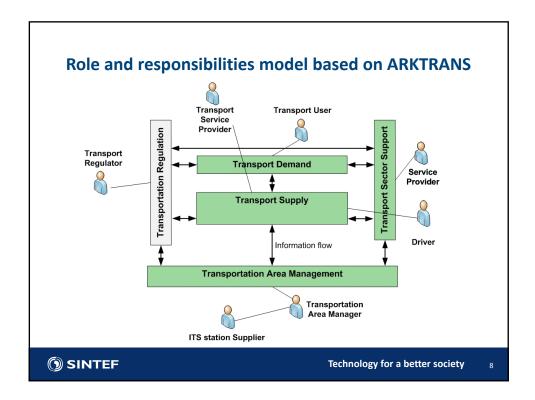
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Functional architecture (main functions)

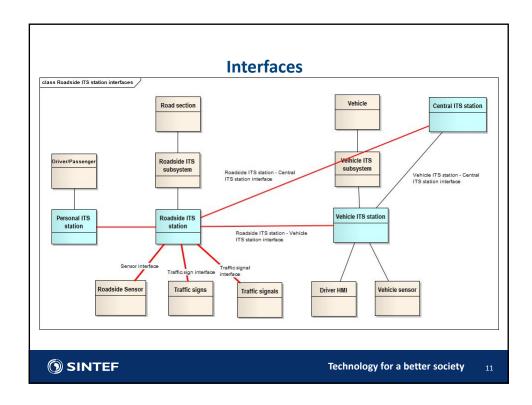
- 1. Manage Transportation Network Information
- 2. Manage Transportation Network Quality
- 3. Support Transportation Network Continuous Operation
- 4. Perform Operational Traffic Management Planning
- 5. Monitor Traffic situation
- 6. Perform Traffic Control
- 7. Provide Traffic situation Information
- 8. Support and Control Mobility and Transport Means Operation
- 9. Manage En-route Reporting
- 10. Manage Transport Means Information



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5. Monitor Traffic Situation uc Monitor Traffic Situation Traffic Control Monitor Traffic Flow Monitor Traffic Flow Includes Monitor Hazardous Goods station Monitor Environmental Condition Technology for a better society



Technical requirements

- Mechanical requirements
- Environmental requirements
- Installation requirements
- Other physical requirements
- Marking and identification
- Colour and size
- Other requirements



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European and international standards are crucial

• ETSI EN 302 665 Intelligent Transport Systems (ITS); Communications Architecture



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