



XIII
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WINTER ROAD
CONGRESS

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Québec 

SUSTAINABLE WINTER SERVICE FOR ROAD USERS

*Winter road management projected into the future
with innovative technologies*

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ANAS, WINTER ROAD MANAGEMENT PROJECT INTO THE FUTURE WITH INNOVATIVE TECHNOLOGIES

- New strategies for self-service, multi-user de-icing salt facilities

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Winter maintenance is an important activity among the ones that ANAS carries out as the main roads and highways administrator in Italy.

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Concerning the snow removal service, ANAS is working to enhance the activities on the basis of a model of internal management with own means and workforce, with the aim of providing a service that others are unable to offer.

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Particularly important is the role of salts storage and distribution as part of the winter maintenance.

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The technological evolution of the storage systems allowed passing through during years from heap storage to open-air storage.

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With the arise of negative effects such as salt placer mining that causes damns to the ecosystem, loss of someone of the chemical-granulometric characteristics, employment of solvents in superior measure compared with real needs

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The use of storage evolved systems also allowed to bring significant cost items down such as: employment of loading means with the relative personnel.

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The need to use considerable spaces as salt storage in bag or open-air heap, the needed time for material loading, etc..

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ANAS, from the early 60's onwards, has installed on its network some 70 steel storage systems with capacity of 100 tonnes, of which 38 have been supplied after the administrative decentralization intervened with passage of several roads to the Regions.

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In a second phase, still ongoing, the Company is making use of large capacity systems, made available on the market by industry sector, ie more technologically advanced products.

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It must be reported the experiences of some major highway concessionaires that make use of self-service installations of 500 and 750 tonnes.

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ANAS has identified near the town of Perugia a strategic point for the placement of a large capacity silo (750 tons).