

which would not go away by themselves. Trenchless solutions are not the complete solution but they can still play a major role in the task.

Turning to Director Gade, he said he was also aware that the same enthusiasm for trenchless technology existed in rural areas. Listing the main trenchless technologies he said that they offered cheaper ways of solving rural development problems and still protecting the environment. These problems shared world wide and involving investments of many trillions of dollars.

Turning to the members of the Society he considered that trenchless technology was no longer a brave new concept struggling for acceptance. Techniques have matured and trenchless is a major industry. In his view more education was needed; of future engineers and decision-makers, and of people in regions where trenchless was not widely used.

He welcomed the new Strategic Plan for the Society which addressed these matters and called upon members to join ISTT working groups, to use the new website, and to contribute to their *NDI* magazine and research journal.

Just as the Society was using the step change in communication technology introduced by electronics so the members should use trenchless technology to herald a step change in the way we use our rural and urban environments.

In closing he thanked his predecessor, Gert Fisher, for bringing the Society this far and reminded the members that there was still much more to do.

Outside the Bella Center the No-Dig was being strongly promoted. Per Aasleff, one of Denmark's major suppliers of trenchless services and a major sponsor of the event had placed a No-Dig logo on each of their safety barriers or road signs in the city. Queues formed each morning at 9 am for the exhibition in which 76 trade exhibitors occupied 3,100 m² with high quality stands. During the week more than 4,500 visitors attended and together with 375 conference delegates filled the special busses visiting the 35 worksites opened especially for No-Dig visitors.

Wonderful Copenhagen was not all work. The Gala Evening started with a special performance of the Puccini opera 'Mannon Lescant' followed by a buffet supper and dancing. The City Mayor also very generously entertained all delegates to a Civic Reception in the historic Town Hall. Some 45 delegates also took part in the Golf Tournament while others were spectators at the No-Dig 2002 Rodeo where three HDD machine manufacturers demonstrated their skills in a speed and accuracy demonstration.

In closing the 20th International No-Dig, Ray Sterling thanked all those involved especially the companies who had arranged the site visits. He was



Delegates at the Copenhagen conference from the China Society for Trenchless Technology (CSST), The China Hong Kong Society for Trenchless Technology (CHKSTT), and the China Shanghai Society for Trenchless Technology (CSSTT) which has yet to affiliate to ISTT.

impressed that the Mayor, who was already deeply committed to sustainable development, had still be even more impressed to see a road with just two small access holes used for 24 hours for repairs in comparison to the whole street being closed and trenched for at least a month for the same work. He called on members to use site visits to influence their own politicians and decision-makers.

Special thanks were given to Lars Gaarn Jensen for his work on the Exhibition and to Gert Fischer who had steered the project from conception in 1998 to completion that day. It had indeed been a wonderful No-Dig in Wonderful Copenhagen.

NO-DIG AWARD 2001

There were 7 entries for the 2001 ISTT Award, which was presented by the new ISTT Chairman, Professor Ray Sterling, during the Opening Ceremony for No-Dig 2002 Copenhagen. There were 2 HDD project entries from LMR Drilling UK; a Rehabilitation Project from Wombat, Czech Republic; 3 entries from Per Aasleff, Denmark covering Rehabilitation, Polluted Soil treatment, and a laterals sealing system; and finally a further development of its spiral wound rehabilitation system from RibLoc Australia, Rotaloc.

Certificates of Merit were awarded to LMR Drilling UK Ltd for its project 'Macduff Outfall, Berrymuir Quarry, Scotland' during which the company had to drill through both rock and peat, and pull back the pipe from a barge anchored offshore. The award was accepted by Barry Gardner, Managing Director.

A Certificate of Merit was also awarded to Wombat of the Czech Republic, for the

'Relining of the Main Centrum Sewer in the city of Bielsko-Biala, Poland. The sewer was in a critical state close to failure running under the historic city centre. Dealing with by-pass flow rates of 1,000 m³/hour the work was completed without disrupting the city centre traffic in 7 months with a cost saving of €15.5 million in comparison to open cut. The award was accepted by Petr Holes, Finance Director Wombat.

The 2001 Award was made to RibLoc for its 'Next Generation Structural Pipeline Rehabilitation System, Rotaloc' which is a one step process in which the liner is wound into position by a machine, inside the host pipe, which can automatically deal with diameter changes as it traverses the pipe. The Production Director, RibLoc, accepted the award and explained the process to visitors on the ISTT where one of the new machines was on display. He also accepted a bottle of champagne presented by *No-Dig International* magazine (see article this issue).

The judging for the award once again exposed the difficulty of having to compare projects, products and research on a common basis. At the International Board Meeting, which was held before the No-Dig started, it was agreed that the award categories and judging process needed to be refined still further after the changes made for the year 2000 award. The aim is to introduce new award rules later this year for the 2002 Award to be presented in Las Vegas.

Congratulations to RibLoc for its second No-Dig Award. Making an effort to promote trenchless technology on behalf of all ISTT members can be rewarding. Well done.