

INVITATION

INFORMATION & DEBATE MEETING

“Real Time Control and Decision Support for Urban Sewer Systems”

SPEAKERS: Dr. Cello Vitasovic. Principal Engineer. DHI Inc., USA.
Chief Engineer Lars Yde. Department for Urban Water Utilities. DHI Water & Environment, Denmark.

TIME: Wednesday 4 June 2003 09.15 – 13.15 (**Note: Possibility of booking individual meeting with Dr. Cello Vitasovic and Chief Engineer Lars Yde 14.15-17.00**)

PLACE: Intecno-DHI, Via Pomba 23, 10123 TORINO

**Arranged by Intecno-DHI
- Your Technology Partner**

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BACKGROUND

Real-Time Control (RTC) and Decision Support Systems (DSS) for water utilities are becoming a more widespread technology in the effort of running water supply and collection systems in a cost-effective way. As management tools, RTC and DSS offer attractive alternatives to more traditional means and for operational support they add to safety and flexibility.

DHI has extensive practical experience from the implementation of RTC and DSS systems. Currently DHI is undertaking projects in Japan, China, Sweden, Canada and France – all focusing on how to use these techniques to enhance the operation of waste water utility systems.

The collective experience within DHI has been greatly extended recently when Dr. Cello Vitasovic joined the Institute. Dr. Vitasovic came from a senior position in Camp Dresser and McKey (CDM), USA and before CDM he was working with Reid Crowther. Dr. Vitasovic has been working with implementation of DSS and RTC for several large US and international cities and have also been authoring the dynamic sewer programme “Sewercat”.

Due to the fact that Real Time Control (RTC) and Decision Support Systems (DSS) will become increasingly important for Italian water utilities and the urban water sector in general, Intecno-DHI has invited Dr. Cello Vitasovic, Principal Engineer, DHI Inc., USA, and Chief Engineer Lars Yde, Department for Urban Water Utilities, DHI Water & Environment, Denmark, to conduct **“Information & Debate Meeting: Real Time Control and Decision Support for Urban Sewer Systems” in Intecno-DHI, Via Pomba 23, 10123 Torino, on Wednesday 4 June 2003 09.15-13.15.**

The meeting will be opened by Carlo Malerba, Vice-president, Intecno- DHI, and Managing Director, Hydrodata, and coordinated by Mauro Cargnelutti, Technical Director, Intecno-DHI.

After the information and debate meeting Dr Vitasovic and Chief Engineer Yde will be happy to have individual meetings (each meeting of 30 minutes’ duration) about specific projects and/or issues with interested participants!

The information meeting is free of charge/gratuito.

The main emphasis will be on urban sewer systems. However, also participants with a more general background in urban hydraulics and water utility management are encouraged to join our meeting in order to create a lively and interesting debate and discussion amongst the participants and the experts.

Enclosed please find various documents describing key issues related to RTC and DSS.

Deadline for registration is Thursday 29 May 2003 on the attached “Registration Form”.



***Meet Dr. Cello Vitasovic, Principal Engineer, DHI Inc., USA.
for debate and individual talks in Intecno-DHI on Wednesday 4 June 2003***

Dr. Cello Vitasovic will be assisted by Chief engineer Lars Yde, Department for Urban Water Utilities, DHI Water & Environment, Denmark.

Information &
Debate Meeting

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Water Methodologies

PROGRAMME

Wednesday 4 June 2003 09.15 – 13.15

09.15-09.30 ***Welcome. Importance of Real Time Control (RTC) and Decision Support Systems (DSS).***

Carlo Malerba. Vice-president, Intecno-DHI; Managing Director, Hydrodata

09.30-11.00 ***Presentation & discussion of “Real Time Control” (RTC)***

Dr. Cello Vitasovic. Principal Engineer. DHI Inc., USA.

Chief engineer Lars Yde. Department for Urban Water Utilities. DHI Water & Environment, Denmark.

- ✓ RTC concepts
- ✓ RTC development methodology
- ✓ Success factors in RTC implementation
- ✓ Case studies: Seattle, New York, Hamilton, Milwaukee, Tokyo, Liverpool, Helsingborg, Paris

11.00-11.15 **Coffee Break**

11.15-12.30 ***Presentation & discussion of “Decision Support Systems” (DSS)***

Dr. Cello Vitasovic. Principal Engineer. DHI Inc., USA.

Chief engineer Lars Yde. Department for Urban Water Utilities. DHI Water & Environment, Denmark.

- ✓ Current on-going research in the USA related to DSS in wastewater industry
- ✓ DSS components
- ✓ How is DSS related to asset management?
- ✓ Case studies: Philadelphia Water Department

12.30-13.15 ***Discussion. Participants’ experiences.***

Coordination: Mauro Cargnelutti. Technical Director, Intecno-DHI

14.15-17.00 **Individual meetings (30 minutes’ duration) with Dr Vitasovic and Chief Engineer Yde.**