

ISRAEL DESALINATION SOCIETY (R.A.)

Grand Water Research Institute Zuckerberg Institute for Water Research
Technion-Israel Institute of Technology Ben-Gurion University of the Negev

Program and Papers of the 7th Annual Conference

ISRAEL'S LARGE SEAWATER DESALINATION TENDERS - 5 YEARS EXPERIENCE

Edited by

Daniel Hoffman*, Raphael Semiat and David Hasson****

***Adan Technical & Economic Services Ltd**

****GWRI Rabin Desalination Laboratory**

Wednesday – Thursday, March 2 - 3 2005

**The Israel Trade Fairs & Convention Center
Tel-Aviv, ISRAEL**

PROGRAM*

Wednesday, 2nd March, 2005

Morning

8:00- 9:00

REGISTRATION

GREETINGS SESSION

9:00 – 9:45

Chairman: Shmuel Kantor

H. E. B. Ben Eliezer, Minister of National Infrastructures,
H. E. G. Khateeb, Acting Minister of Planning Palestinian Authority
S. Tal, Israeli Water Commissioner
C. Sommariva, President of EDS
Prof. M. Hershkovitz, Vice President, BG University
Prof. R. Semiat, Grand Water Research Institute, Technion
D. Hoffman, Adan, Program Committee Chairman

LARGE SEAWATER DESALINATION PLANTS TENDERS

SESSION

***Objectives, Approach & Requirements
of Government Ministries***

A

Chairman: Zvi Chalamish,

- 09:45 -10:10 **Ministry of Finance - Objectives, Approach & Guidelines**
Hagai Miller, Deputy Director Accounting - Finance Ministry
- 10: 10 - 10:35 **Large Seawater Desalination Tenders – The Water Commission’s
Objectives, Approach and Requirements**
Yosef Dreizin, Senior Manager, Israel Water Commission
- 10: 35 - 11:00 **Desalination Facilities in Israel - Ministry of the Environment
Guidelines on Promoting Desalination and Protecting the
Environment**
*Nir Kedmi, Economics and Standards Division, Ministry of the
Environment.*
- 11:00 - 11:25 **Large Seawater Desalination Plants – The Ministry of Health’s
Objectives, Approach and Requirements**
*D. Zeira, Engineer Environmental Health District and S. Goldberger
Chief Engineer, Environmental Health, Ministry of Health*
- 11:25 - 11:50 **coffee break**
- SESSION**
- B**
- Objectives, Approach & Requirements
of Specialist Consultants***
- Chairman: Rafi Semiat**
- 11:50 - 12:15 **Objectives, Concerns & Requirements of the Technical Consultants
of the Inter-Ministerial Tender Committee**
*Amnon Zfati and Daniel Hoffman, ADAN Technical & Economic Services
Ltd*
- 12:10 - 12:35 **Desalination PPP projects in Israel- Financial overview**
Salco Kleerekoper, TASC Ltd.

12:35 - 13:00 **Objectives, Concerns and Requirements of the Legal Consultants of the Inter-Ministerial Tender Committee**
Joseph Levy, J. Levy & Assoc., Attorneys

13:00 - 13:25 **Recent Contracted Desalination Projects Developed by Mekorot**
Menachem Priel, Manager, Pinhas Gluckstern, Eli Kotzer and Nissim Nadav, Desalination & Special Projects Group, Mekorot

13:25 - 14:45 **Annual Meeting of the Israel Desalination Society**
Lunch Break

Afternoon

SESSION C **Concerns and Experience of Bidders/Contractors**

Chairman: Amnon Lipkin-Shachak

14:45 - 15:10 **Ashkelon 100 Mcm/Year BOT Project**
Gustavo Kronenberg, Manager, VID Ltd

15:10 - 15:35 **The Experience of Palmachim Desalination Project**
Uri Hurvitz, Dan Hamberg and Boaz Gazit
TAHAL Consulting Engineers LTD.

15:35 - 16:00 **Coffee Break**

SESSION D **Concerns and Requirements of the Involved Financial Institutions**

Chairman: Ronen Wolfman

16:00 - 16:30 **Key Financing and Contractual Issues in Desalination Projects**
Yoel Mintz, Manager, Credit Products Sector, and Shlomit Lotem, Manager, Projects Financing Sector, Bank Leumi

16:30 - 16:55 **Project Financing of Desalination Projects**
Tzahi Cohen, Manager Telecommunications and infrastructure, Business Division, Bank Hapoalim

16:55 - 17:20 **Evaluation of Credit Risks in Financing Water Desalination Plants: the Difficulties, Failures and Successes**
Dorit Sallingar, Manager Maalot Credit Rating Co.

18:30 - 20:30 **CONFERENCE DINNER**
Memories of the early days of desalination in Israel will be recalled by one of its pioneers - Natan Berkman

Thursday, 3rd March, 2005

Morning

8:00 - 9:00

REGISTRATION

* Subject to final changes

**SESSION
E**

**Large Seawater Desalination BOO/BOOT Projects
- Experience Abroad**

Chairman: David Hasson

09:00 - 09:25

**Membrane Suppliers' Role and Activities in Large and Mega
Desalination Projects**

*J.A. Redondo, L.D. Johnson and M. Brusilovsky, Dow and Jacobson
Agencies*

09:25 - 09:50

**The Experience of Technical and Financial Desalination Solutions in
the Gulf countries**

Leon Awerbuch, President, Leading Edge Technologies

09:50 - 10:15

**Risk and Opportunities in the Development of Power and Water
Projects in the Middle East**

*Corrado. Sommariva, President of EDS, Divisional director - Mott
MacDonald*

10:15 - 10:45

Coffee Break

10:45 - 11:10

Financing Desalination - the Critical Success Factors

Christopher Gasson, Publisher, Global Water Intelligence,

11:10 - 11:35

Global Trends in Public-Private Partnerships

Tom M. Pankratz, Vice President, CH2M Hill

**SESSION
F**

**Panel Discussion of Presented Problems and Concerns and Possible
Solutions**

Chairman: Daniel Hoffman

11:35 - 13:30

*L. Awerbuch, N. Berkman, Y. Bronstein, O. Fixler, C. Gasson, P.
Gluekstern, D. Hamberg, Y. Inbar, S. Kleerekoper, G. Kronenberg,
J. Levy, Y. Mansdorf, Y. Mintz, T. Pankratz*

Afternoon

**Sandwiches Lunch on Bus Transporting Participants
to the Ashkelon Desalination Plant**

Tour of VID's Ashkelon 100 million m³/year Installation

Program organizing committee - Israel

Daniel Hoffman –*Conference Chair*, Adan Technical & Economic Services Ltd

David Hasson, - Rabin Desalination Laboratory, Technion

Raphael Semiat, - Grand Water research Institute, Technion

Pinhas Glueckstern - Mekorot Water Co.

Yaacov Mansdorf - Tambour Ecology

Yoram Oren - Ben Gurion University Water Center

Motty Perry – Bio-Pure Technology

Joseph Weinberg – IDE Technologies

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THE GRAND WATER RESEARCH INSTITUTE OF THE TECHNION

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Joseph Weinberg (*IDE Technologies*)

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האיגוד הישראלי להתפלה (ע"ר)

מכון לחקר המים ע"ש צוקרברג
אוניברסיטת בן-גוריון בנגב

מכון גרנד למחקר המים
הטכניון - מכון טכנולוגי לישראל

תוכנית וחוברת מאמרים של הכנס השנתי השביעי

מכרז המתקנים הגדולים להתפלת מי ים בישראל - חמש שנות ניסיון

נערך ע"י

דניאל הופמן*, רפאל סמיט ודוד חסון****

***אדן טכנולוגיה וייעוץ כלכלי בע"מ**

****מגמ"ה - המעבדה להתפלה ע"ש רבין**

ימים ג'-ד', כ"א - כ"ב אדר א' תשס"ה 2-3 במרץ 2005

**מרכז הכנסים והתערוכות- גני התערוכה,
תל-אביב, ישראל**