



# Blue I

## Water Technologies

**Unmatched Performance. Unbeatable Reliability**



### Clean Tuesday - Paris

March 10<sup>th</sup>, 2009





# Company Overview



- Established in 2003, Blue I headquarters are located in **Israel** with subsidiaries in the **U.S.A.** and **China**.
- Technological platform - designed & developed based on field experience, state of the art technology - **patented solutions**.
- Skilled & experienced customer oriented **services and solutions**.
- Provides a complete solution for a wide range of market segments and **customer needs**.



# Water – New Challenges



- Contaminated or compromised water can have harmful, even deadly effects
  - Need for safe, reliable and cost-effective water management
  - Need to know in real-time if there is a problem with water supply
  - Need to respond immediately to undesirable changes in water chemistry balance
  - Most current water quality control solutions are reactive and isolated – not proactive nor integrated
  
- Blue I designs and manufacture solutions for water quality controls including communication systems



# Professional Services

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- Water quality analyzer & controllers
- Study, analyze, and provide dedicated solutions.
- Development of a complete designated operating system including Smart water quality diagnostic sensors.
- Control and supervision systems.
- Professional training for each client.



# Water View

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- A unique and intelligent decision support system.
  - Full control and supervision
  - Real time report on any deviation required.
  - A systematic tool to respond immediately to water quality deterioration.
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- **A simple and user friendly operating system**



# Analyzers and Controllers





# Hydroguard HG 702

- Multi parameter system: up to 8 parameters
- Free and total chlorine in one unit + pH + Turbidity + Redox + Conductivity + Flow + Temperature
- Colorimetric calibration-free chlorine analyzers
- Can measure chlorine in all conditions
  - Sea Water
  - Polluted Water and Wastewater
  - Colored water





## Chlorine Control – Free and/or Total

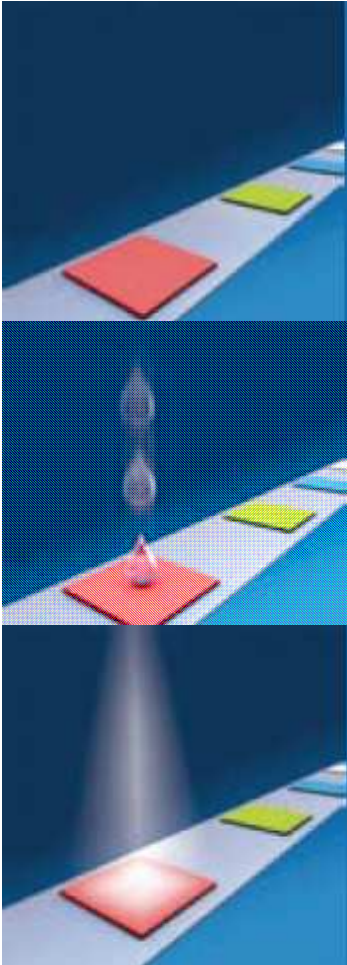
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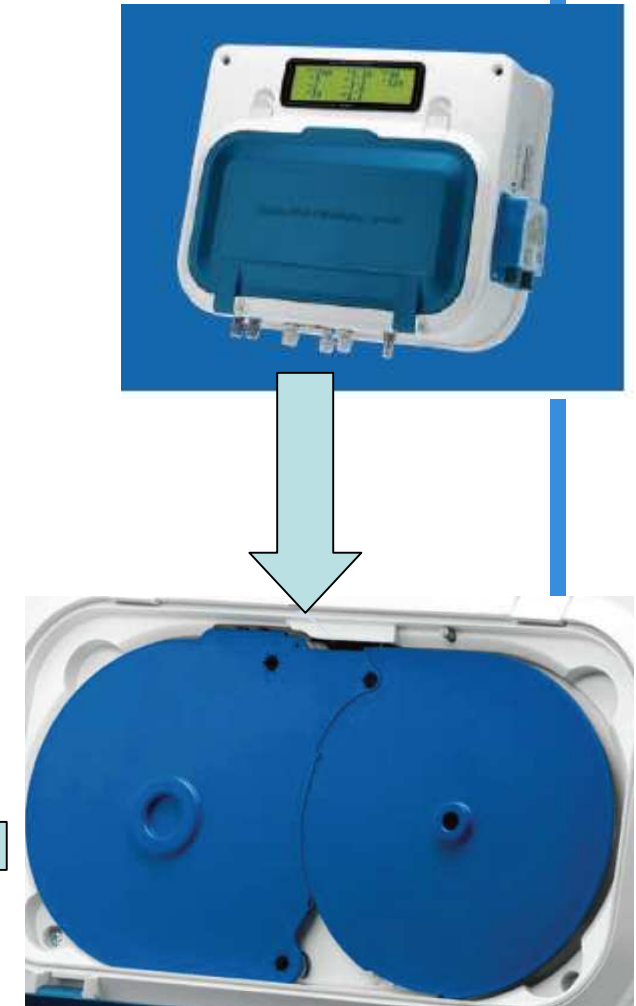
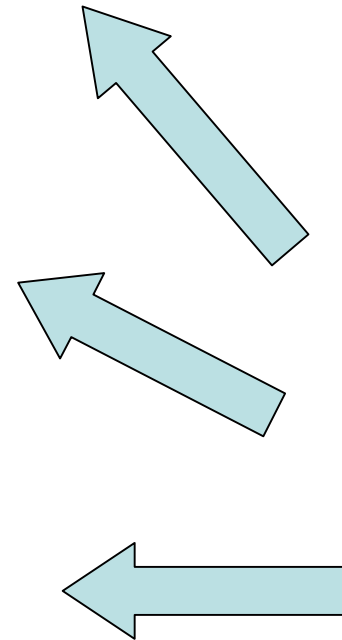
- Most accurate, consistent readings (+/- 5%)
- Consume VERY little reagents (~0.03mL/sample)
- Self zero before each reading
- Self-Cleaning Photocell
- Measurement : 0-10 ppm
- Measurement Interval: 2 to 10 minutes



# Prizma – How does it work?

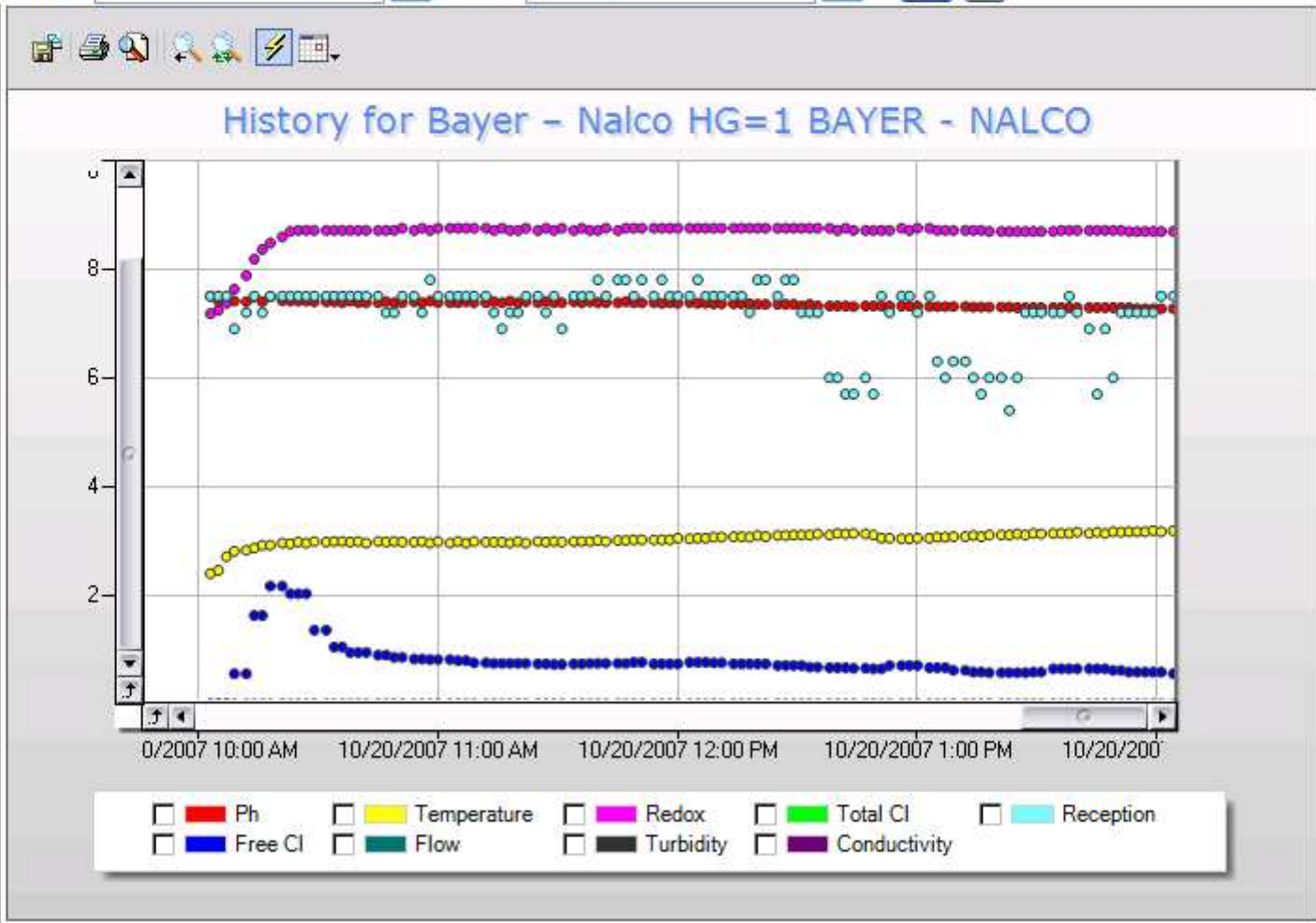


- A water sample is extracted from the process and piped to the Prizma system.
- The Prizma cassette holds a test strip roll sufficient for up to 1000 measurements.
- A drop of water is applied to the test strip.
- The cassette advances to place the area with the sample under the photo-optic sensor.
- The water sample is analyzed and results displayed on the screen.



From 10/19/2007 To 10/20/2007 GO

- ASA Water (02)
- ast (219)
- AustinWS (77)
- Ayelet Hashachar (244)
- Bayer - Nalco (203)
  - 1)BAYER - NALCO
- Ben David (268)
- BEVPAKMAKVERN (75)
- 1)Site
  - Bisman (259)
  - Blyvoor (209)
  - BlyvoorDoringfontein (216)
  - Brasil Test (200)
  - 1)FITABES
    - Chavat Reichan (288)
    - chemed prizma 1 (4)
    - CIT (88)
    - 1)HG-702
    - 2)HG-602
    - CIT Demo (90)
    - 1)Site
      - CMS Exhibition (255)
      - Cooling tower C (61)

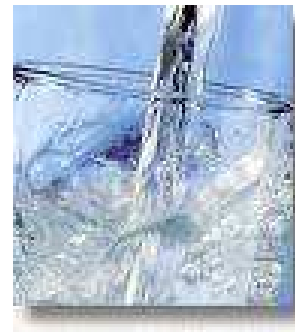




# Case Study



- Large Latin American Capital City
- Industries, mines and wastewater pollute the river which represents the main source of water to the city's residents.

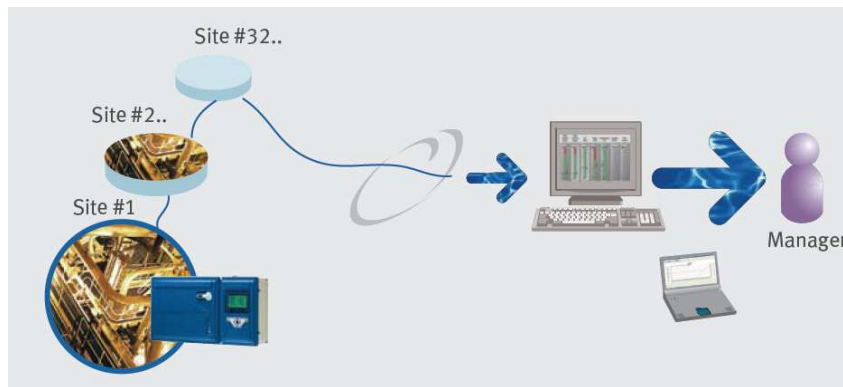




# Case Study



- A study was done by Blue I, and a control solution was prepared.
- Blue I's controllers are installed along the river, and constantly broadcast the water quality level.
- All data are received and broadcast on one screen which enables complete control and supervision as well as immediate and real time reaction.





# Case Study



- Water quality Improvement is enable with the **Blue I water view** real time control solution.





# Possible test factors



- Alkalinity
- Aluminium
- Ammonium
- Arsenic
- Benzene
- Calcium Hardness
- Free Chlorine
- Chloramines
- Chloride
- Chlorine Dioxide
- Chromium
- Copper
- Cyanide
- Fluoride
- Lead
- Magnesium
- Mercury
- Molybdenum
- Nickel
- Nitrate
- Nitrite
- Permanganate
- Peroxide
- Phosphate
- Potassium
- Sodium
- Sulfate
- Sulfide
- Sulfite
- Zinc
- Silicate (silicic acid)
- Quaternary Ammonium





# Business opportunity



- **New** worldwide water quality regulations.
- **Environmental protection** and pollution control of water sources.
- Consumer **awareness** to water condition & **quality**.
- **Scarcity** of **water**, requires use of alternative water sources polluted.

