



# URBAN PLUNGE



Sydney  
**WATER**

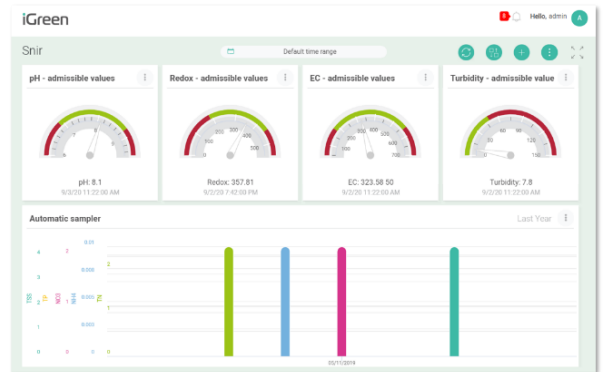
**Company:** IOSight | iGreen

**Country of Origin:** Israel

**Technology Readiness Level:** 9 - Fully commercial



**Description:** With over 100 installations in the water and energy arenas worldwide, IOSight provides robust, reliable, and flexible solutions, enabling practical data-driven management. Plant managers and operators can get actionable, accurate, comprehensive, real-time insights to improve their performance. On top of the management platform, the iGreen advanced analytics solution suite includes anomaly detection, early fault prediction, and optimization and decision support tools. IOSight's core iGreen system collects, safely, systematically, and reliably, large amounts of data via a variety of interfaces. The collected data is cleansed, validated, stored in a modeled SQL database, processed, analyzed, restored, and presented in reports, online dashboards and advanced algorithm-based decision support tools. iGreen improves operational efficiency and costs through easy algorithm formulation, low deployment costs, multi-layer data integration, and the best-in-class data normalization and modeling.



**Applicability to Urban Swim Centres:** IOSight can connect to any type of surface water quality related data source. The range of potential applications is broad. An example is real-time monitoring of fecal coliforms in a river to provide continuous, web-based water quality information to the public.

**Technical Risk and Case Studies:** Established in 2008, iGreen is a market grown solution with more than 100 installations globally. The Carlsbad Desalination plant (2015) is the largest and most technologically advanced and energy-efficient seawater desalination plant in the US. Each day, the plant produces nearly 50 million gallons of fresh, desalinated water to San Diego County. IOSight's challenge at the plant is to meet regulatory reporting requirements in an efficient way, improve cost efficiency in energy and chemical dosing, identify anomalies in the process in late stages and provide online visibility of critical data. Since its implementation, the iGreen system has facilitated a 10% reduction in energy and chemical costs equating to hundreds of thousands of dollars in savings per year, a 50% reduction in compliance related tasks with the introduction of automated compliance reports, and tens of thousands of dollars in savings from improved preventative management.

**Cost and Business Case:** iGreen is provided on a SaaS model. The price depends on the size of the plant, the modules purchased, and the implementation work required. A typical project cost structure is US\$30,000-50,000 per year with an additional one-time implementation fee. IOSight works either directly with water utilities and authorities or in collaboration with environmental engineers and partners of service providers.

**IOSight | Offer Herman:** [offerh@iosight.com](mailto:offerh@iosight.com)  
<https://www.iosight.com>