



Reduced water consumption by 76%	Saved 385ML of water per year	Recycled Water Management Planning supplemented on-site water use	Identified and rectified network leaks upwards of 2.5ML per day
----------------------------------	-------------------------------	---	---

Sustainable Water Management Strategy Projects

BACKGROUND

Brisbane Airport Corporation (BAC) is one of the top water users in Brisbane. During the 2004-2005 financial year consumption was approximately 1,620ML/annum. Sustainable Solutions International (SSI) was engaged by BAC to identify potential water usage reduction opportunities throughout the airport's water network.

SSI'S PROJECTS

- Conducted water consumption audits and water meter data logging to increase water use efficiency;
- Implemented water efficient fixtures to reduce water consumption and identified water leaks within the network;



- Developed a Recycled Water Management Plan for the supply of recycled water for the site cooling towers; and
- Designed Water Recycling Plant using Nano-filtration.

SSI'S AND BAC ACHIEVEMENTS

- Water leaks in the airport's water network were identified and rectified;
- Implemented and managed projects listed above, resulting in 76% reduction in water consumption (385ML/year);
- SSI has worked with Brisbane Airport and delivered over 20 projects to assist in the development of Brisbane Airport's Sustainable Water Management Strategy; and
- Implemented a water recycling scheme for capturing storm water for irrigation of grassed areas, toilet flushing, water features and supplementing cooling tower water.

NEW PARALLEL RUNWAY PROJECT

Construction of Brisbane's New Parallel Runway requires significant volumes of water, at a consistently high rate of supply, with reliable quality.

SSI was commissioned to evaluate potential sources and volumes of recycled water to supplement potable water consumption during the project.

SSI SERVICES PROVIDED

- Asset & Maintenance Management
- Design Construction Management & Commissioning
- Efficiency Audits & Cleaner Production
- Environmental Compliance & Licensing
- Master Planning
- Plant Assessment & Optimisation
- Sustainable Resource Management
- Risk Assessments (HACCP & HAZOP)

ENVIRONMENTAL STEWARDSHIP

Brisbane Airport was awarded *"The Best Water Management in the World"* at the 2008 International Water Association (IWA) Awards in Vienna.

Our environmental industry specialists are available to assist you.

Asset & Maintenance Management	Design Construction Management & Commissioning	Efficiency Audits & Cleaner Production	Environmental Compliance & Licensing	Master Planning	Plant Assessment & Optimisation	Sustainable Resource Management	Risk Assessments (HACCP & HAZOP)
--------------------------------	--	--	--------------------------------------	-----------------	---------------------------------	---------------------------------	----------------------------------



For more information please contact:
Sustainable Solutions International Pty Ltd

07 3255 0000 | office@ssi-bne.com | sustainableolutionsinternational.com

Water.Energy.Waste.

