



MIYA GROUP WATER INDUSTRY EXPERTS

Urban Water Efficiency

Miya is proud to have in its team globally recognized experts including prominent members of the IWA's Water Loss Task Force.



## Andrew Chastain-Howley

### **Industry Leadership**

Andrew is the Chair of the water audit software subcommittee of the AWWA, that has developed the most widely used software for calculating water audits. Andrew is also the current chair of committees for the American Water Resource Association and the Water Environment Association of Texas.

### **Experience in the Water Industry**

19 years

### **Areas of Specialization**

Water loss assessment and control, asset condition assessment, acoustic leak detection, apparent loss analysis, geographical information systems, water metering and AMR.

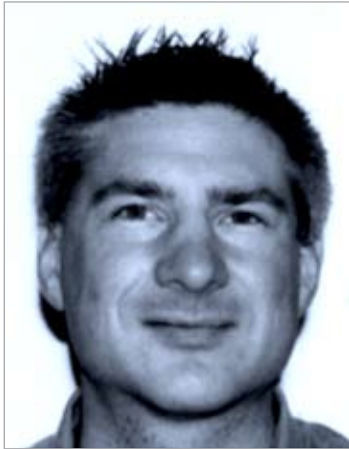
### **Qualifications**

MPhil. in Advanced Materials (plastics), Cranfield University; MSc. in Mining Geology, Camborne School of Mines; BSc. Geology, University of St Andrews.

Andrew is also a Registered Professional Geologist.

### **Background**

Andrew is a specialist in state of the art technologies associated with all aspects of NRW reduction. He is a leading expert in project management and analysis of acoustic leak noise loggers, having been involved in the three largest projects in the United States. Andrew is also a leader in the promotion of standards for auditing within the U.S. through the development of the AWWA water audit software tool. His global experience includes work in the water industries in Oman, England, Australia, and the United States.



## Andrew Clark

### **Areas of specialization**

Acoustic leak detection, pressure & flow monitoring, pipe location and flow modulated pressure control.

**Experience in the water industry**  
9 years

### **Qualifications**

HND in Business & Finance, North Hampshire Business School.

### **Background**

Andrew has worked with a few of the big manufacturers of acoustic leak detection, flow & pressure monitoring, pressure control and pipe location equipment. Over the years he has developed expertise in all these fields and been responsible for providing training and sales support throughout the Asia Pacific Region. As the Asia Pacific Regional Manager for

Gutermann International Andrew is directly responsible for the Gutermann offices in Australia and Malaysia. With extensive involvement in NRW projects throughout the region, Andrew provides training and strategic advice on the implementation of the latest acoustic leak detection practices. With his research into trunk main leak detection and many cities in his region having very low pressure, he has become an expert in low frequency and low pressure leak detection. Andrew is currently performing a research project on trunk main leak detection.



## Paul Fanner

### **Industry Leadership**

An active member on several association committees, such as the AWWA Water Loss Control Committee and the IWA Water Loss Task Force. The Principle Investigator on the only two AwwaRF research projects on water loss published for many years.

### **Experience in the water industry**

30 years

### **Areas of specialization**

NRW, water supply and distribution technologies, improvement of operational efficiency.

### **Qualifications**

BSc (Hons) Civil Engineering, Chartered Engineer, MICE, MCIWEM

### **Background**

Paul's recent experience as a senior manager in the Bristol Water utility business, President of Water Systems Optimization Inc. and Principal of Veritec Consulting Inc. has provided a broad range of experience in areas as diverse as: Performance-based NRW reduction projects, Leakage and demand management, Hydraulic network modeling, GIS and Network operations and maintenance. Paul also has extensive international experience, having worked in Nigeria, India, Malaysia, Trinidad and Tobago, Russia, Barbados, USA, Bahamas and Canada.



## Marco Fantozzi

### **Industry Leadership**

Water loss control specialist with extensive international experience; Evaluator of the European Commission for the Key Action "Sustainable Management and Quality of Water"; a member of the "Emerging Technologies Group" of AWWARF (American Water Works Association Research Foundation) and guest lecturer at the University of Catania and Perugia (Italy).

### **Experience in the water industry**

21 years

### **Areas of specialization**

Water loss management software and personnel training on efficient management of water systems.

### **Qualifications**

Registered professional engineer, MBA at Bocconi (University Milan)

### **Background**

Marco has extensive international project experience, having worked in many different environments for regulators, utilities and consultants in all over the world. He was previously responsible for water, gas and wastewater networks in ASM Brescia SPA (Italy), one of the largest and most advanced public utility companies operating in Italy. Marco has published more than 40 papers on issues related to the management of urban water supplies and water resources. Marco has extensive international project experience, having worked in many different environments for regulators, utilities and consultants all over the world.



## Mordecai Feldman

### **Industry Leadership**

Member of the Water Loss Task Force and the Water Efficiency in Low Income Countries Task Force.

### **Experience in the Water Industry**

24 years

### **Areas of Specialization**

NRW, improvement of operational efficiency of water supply systems, master planning of distribution systems, supply and distribution control systems, metering.

### **Qualifications**

B.Sc Agriculture Engineer specialized in Water and Soil Science, Technion – the Israel Institute of Technology, M.Sc in Operations Research, Tel Aviv University.

### **Background**

Mordecai gained his experience in water loss management in Mekorot, Israel's water utility, and later as Project Manager with Hydrocom Control Systems, where he was in charge of development of an optimization system for water networks operation. Since 2002 Mordecai has specialized in bulk networks and distribution networks master planning.

# Bill Gauley

## Industry Leadership

Bill is a member of the CSA B-45 Committee (Plumbing), the Task Force Committee regarding water-efficient toilets, and the Task Force Committee regarding dual-flush toilets. He is past chair of the Ontario Water Works Association Water Distribution Committee, and AWWA Teleconference Committee.

## Experience in the water industry

15 years

## Areas of specialization

Water-efficiency master plans, third party product testing, water savings evaluation/verification.

## Qualifications

Bachelor of Engineering degree from Lakehead University, registered as a professional engineer, and he has

received his designation as a consulting engineer.

## Background

Bill is a Founder and Principal of Veritec Consulting Inc. He serves as Managing Director for the water and wastewater demand side management services offered by the Company. He has extensive experience in designing all types of residential and municipal water efficiency programs, "C"-factor and fire flow testing, computer models of distribution networks, water meter selection and sizing, water efficient equipment testing and evaluating, and training personnel in various aspects of water efficiency.





## Dale Hartley

### **Industry Leadership**

An active member of the IWA Water Loss Task Force & Vice President of the Task Force's Acoustic Initiative.

### **Experience in the water industry**

17 years

### **Areas of specialization**

Acoustic leak detection, flow & pressure monitoring, advanced pressure control, training (water loss control) & international projects.

### **Qualifications**

BTech. Mech. Eng., MBA, Chelsea University

### **Background**

Dale enjoyed senior management posts at several leading water loss instrumentation manufacturers,

gaining a wealth of field experience with state of the art NRW technologies, before joining Gutermann International in 1999. As Group Sales & Marketing Director for Gutermann, Dale is directly responsible for the Company's Offices in the UK, USA, Canada, Mexico, Australia & Malaysia.

Dale's career has given him extensive international field & NRW project experience in South Africa, Asia, Australasia, Caribbean, Central & South America, the Middle East, the USA & throughout Europe.



## Assaf Heimann

### **Industry Leadership**

Head of the Dorot A.C.V. technical support and applications engineering department. Member of the IWA Water Loss Task Force.

### **Experience in the Water Industry**

11 years

### **Areas of Specialization**

Applications engineer and consultant for sophisticated hydraulic valves control solutions for water systems, including pressure and flow regulation, water level control, remote control and water-hammer/surge protection and prevention.

### **Qualifications**

BEng (Mech. Engineering), Technion – Israel Institute of Technology.

### **Background**

Assaf is one of the leading hydraulic control specialists in Israel and served as a consultant on most of the projects that Dorot A.C.V. has carried out. He is the professional leader of pressure management and leakage reduction in Dorot A.C.V. and heads the technical support and applications engineering department of the Company. As such, he has led numerous training programs for the Company's personnel and key customers on hydraulic control valves and solutions.



## Jurica Kovac

### **Industry Leadership**

International Water Association (2006); IWA Specialist Group – Efficient Operation and Management; Water Loss Task Force – member of Pressure Management Team (2007).

### **Experience in the Water Industry**

16 years

### **Areas of Specialization**

Pressure control, DMAs, monitoring, water balance, education, training.

### **Qualifications**

Faculty for Electro-engineering, University in Osijek, Croatia

### **Background**

Jurica has been active in the water industry since 1992, and in IMGD, a

pioneering company in the region in water loss reduction, since 1997. He has published numerous papers regarding Water Loss Management in local and international publications, and participated in many local and international conferences.



## Alain Lalonde

### **Industry Leadership**

Alain is an active member on several association committees and a member of the AWWA and IWA associations.

### **Experience in the water industry**

15 years

### **Areas of specialization**

Water loss assessment and control, pressure management, leak detection, hydraulic modeling, water metering and AMR, condition assessment.

### **Qualifications**

Bachelors Degree in Applied Science from the University of Ottawa, registered professional engineer.

### **Background**

As a Founder and Principal of Veritec Consulting Inc., Alain has extensive

experience in municipal water audits with respect to water loss evaluation and reduction, as well as experience in the operation and maintenance of water distribution systems.

Over the past eleven years, Alain has been the project director of several large municipal contracts within Canada and the USA dealing with the design and implementation of DMAs for real loss management.



## Roland Liemberger

### **Industry Leadership**

Consultant to the World Bank, both for Operations (primarily in Asia) and as specialist trainer for the World Bank Institute and the Asian Development Bank, member of the IWA Water Loss Task Force, Chair of the IWA Task Force on Water Utility Efficiency in Low and Middle Income Countries (LAMIC TF).

### **Experience in the water industry**

24 years

### **Areas of specialization**

NRW analysis and management, design of performance based NRW management contracts, expertise in projects in low and middle income countries.

### **Qualifications**

MSc in Water and Sanitary Engineering, University of Applied Life Sciences, Vienna, Austria, (1985).

### **Background**

Roland was involved in several large NRW reduction projects such as the rehabilitation of the water supply system of the Kafr El Sheikh Governorate (Egypt, 1989–1994), the Selangor NRW Reduction Project (Malaysia, 1999–2003), the Ho Chi Minh City NRW Management Project (Vietnam, 2003–2008).

Since 1999 Roland has been specializing in the design of performance based NRW reduction contracts.



# Ronnie McKenzie

## **Industry Leadership**

Member of MICE, FSAICE, IWA, WISA, C Eng, IMESA, P.Eng

## **Experience in the water industry**

25 years

## **Areas of specialization**

Water Demand Management, Hydrology, Water Resource Planning, Management and Operations and Training.

## **Qualifications**

Civil Engineer

PhD, University of Strathclyde (1983)

BSc (Hons) University of Strathclyde, UK (1979)

Diploma (Computer Science), UNISA (1989)

## **Background**

Ronnie has been involved in the analysis of many water resource systems throughout Southern Africa. He has provided specialist support in both Water Resource Planning and Water Demand Management to various international organizations including

the United Nations, European Union and the World Bank in different areas. In addition to the above, he has developed and presented many training courses and has published more than 100 technical papers.

Since 2000 Ronnie has been involved in the design and implementation of Performance Based NRW Projects including the Award Winning Sebokeng Pressure Management project. He was the recipient of the first Minister's Special Award for his contribution to Water Conservation in South Africa presented by the SA Government in 2008.



# Julian S. N. Thornton

## **Industry Leadership**

Julian is the author of the industry standard text book "Water Loss Control Manual". Julian also recently co-authored two key AWWARF reports and currently serves as the IWA WLTF pressure management team leader. He is an active current member and past Vice President of the AWWA water loss control committee and was Chair of the AWWA M36 re-write committee for the 3rd edition due to be published in 2009. Julian works as a specialist consultant to the World Bank in South America.

## **Experience in the water industry**

27 years

## **Areas of specialization**

Water audits and NRW reduction, water loss component analysis, system optimization, pressure management, target setting, pipe inspection and rehabilitation and computer network modeling.

## **Qualifications**

Certified Mechanical Engineering Technician 1983 with a B.Sc. equivalency in Civil Engineering 2002, currently completing a Master of Philosophy in Engineering "Water Distribution System Loss Control" in process 2007 – 2009 at University of Exeter, UK.

## **Background**

Julian is a specialist in state of the art technologies associated with all aspects of NRW reduction, water loss control, system optimization, pressure management, target setting, pipe inspection and rehabilitation and modern computer network modeling techniques. Julian has extensive international project experience, having worked in many different environments for regulators, utilities, funding and aid agencies and consultants all over the world. Julian has published in excess of 30 specialized papers on various topics related to water loss management.

# Pieter van Rooyen

## **Industry Leadership**

Registered Professional Engineer,  
(ECSA 980008).

**Experience in the water industry**  
20 years

## **Areas of specialization**

Water resource planning and operations analysis, system analysis, strategic planning as well as software development and maintenance.

## **Qualifications**

BEng, (Agriculture), University of Pretoria.

## **Background**

Pieter has since 1988 gained extensive experience in the Water Resource planning field with emphasis on system

analysis studies as well as software development and maintenance. In recent years he lead multidisciplinary teams in developing strategies for water resource development in two of the most important water resource systems in South Africa. During his 20 year career he has undertaken hydrological studies, capability assessments of existing water resource systems, determination of optimal operating rules, scheduling of augmentation schemes and operation analysis. He has presented numerous training courses and papers on the analysis and management of water resource systems.





# Willem Wegelin

## **Industry Leadership**

Member of ECSA (20040109), MSAICE, AMWISA, IWA.

Advises most of the Metropolitan Municipalities and other major municipalities on Water Demand Management related aspects.

## **Experience in the water industry** 13 years

### **Areas of specialization**

Water Demand Management and Design.

### **Qualifications**

BEng (Civil Engineering),  
Univ. of Pretoria, (1995)

BEng (Hons)(Water Resources  
Engineering), Univ. of Pretoria (1998)

### **Background**

Willem is a registered professional engineer and is well known as one of the leading water demand management specialists in South Africa. He has been project manager for some of the largest and most successful water demand

management projects in South Africa that has received numerous awards. His fields of expertise include collection and collation of data, pressure management, bulk and consumer metering, revenue enhancement, logging, analysis of logging results, pressure controllers, set-up of monitoring systems, operations and maintenance of distribution networks. He also has extensive experience in strategic planning of water services, geographic information systems, cost analysis, status quo assessments, hydraulic network analysis, design and tender documentation, contract supervision, project administration and management. He has prepared and presented numerous training courses and papers on water demand management related subjects including pressure management, logging and interpretation of logging results, night flow analysis and pressure controllers.



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OF URBAN WATER

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