

2017 PPA Conference – Apia, Samoa

Quality, Health & Safety, Environmental Management Systems

Presenter: Timo Alefaio



**Talofa lava, Malo e lelei, Ni sa bula vinaka, Namaste,
Kia orana, Taloha ni, la orana, Fakaalofa lahi atu, 'Alii,
Malo ni, Halo Olaketa, Mauri, Aloha mai e and warm
Pacific Greetings.**

Who am I? Timo Alefaio

- **Director, Senior Partner, Senior Consultant & Management system specialist for SCARAB SYSTEMS in Quality, Health & Safety, HACCP Food Safety and Environmental Management Systems.**
- **Electropar PLP (NZ) - Quality, Health & Safety, Environmental.**
- **Ministry of Social Development**

Global Trends

Given there has been a phenomenal increase in Natural Disasters not only in the Pacific but globally in addition taking into consideration our current global economic climate.

This has led to a huge global shift towards Governments and companies adopting and implementing Quality, Health & Safety and Environmental Management Systems in line and certified to ISO Standards (Internationally recognised “Best Practice”) in order to bring about:

Accountability, efficiency, monitoring Risk and Hazards, continuous improvements, reviews and audits, Quality made products & Services, workers well being and safety, as well as acknowledging and promoting Environmental sustainability.



Climate change - Its here in our back yard?

Between eight to 12 cyclones are predicted to hit the region between January and March next year backing up the United Nations (UN) prediction of a 30 per cent increase as a result of the El Nino effect.

Samoa, Niue, the Marshall Islands, Cook Islands, Tuvalu and Fiji the most vulnerable.



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The reality is its going happen more frequently

Devastation will become commonplace with the UN estimating that natural disasters will cost world economies \$NZ234billion a year for the rest of this century.

This comes on the back of the UN's 2013 Global Assessment Report on Disaster Risk Reduction (GAR) revealing the global cost of disasters since 2000 (12 year period) is in the range of \$US2.5trillion or \$NZ3,250billion – 50 per cent more than first thought.



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**So what is a Quality, Health & Safety,
Environmental Management System?
and how is it going to benefit you ?**



**International
Organization for
Standardization**



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Having a **Management System** in place will ensure the safety and quality of products and services, facilitating international trade and improving the environment in which we live in.

Conformity to International Standards (ISO) helps reassure consumers that products, services, systems and organizations are safe, reliable and good for the environment.

Economic benefits

Numerous studies have shown that standards boost business and economies. In the UK, for example, standards account for an \$8.2bn annual growth in GDP, while in Canada, the use of standards has injected over \$91bn into the economy since 1991.



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Business benefits

BENEFITS



Cut costs, through improved systems and processes

Increase customer satisfaction, through improved safety, quality and processes

Access new markets, through ensuring the compatibility of products and services

Reduce their impact on the environment.



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What is a management system

A **Management System** describes the set of **procedures** an organization needs to follow in order to **meet its objectives**.

In some small organizations, there may not be an official system, just "our way of doing things", that is mostly kept in the heads of the staff.

But the larger the organization, the more likely that procedures need to be recorded to ensure everyone is clear on who does what. **This process of systemizing how things are done is known as a management system.**



ISO 9001:2015

Quality Management System (QMS)

is a set of policies, processes and procedures required for planning and execution (production/development/service) in the core business area of an organization.
(i.e. areas that can impact the organization's ability to meet customer requirements.)





AS/NZ 4801 | ISO 18001 Health & Safety (H&SMS)

A Health and Safety management system is a process put in place to minimize the risk of injury and illness. This is made possible by identifying, assessing and controlling risks to workers in all workplace operations



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ISO 14001:2015 Environmental (EMS)

Is the management of environmental programs in a comprehensive, systematic, planned and documented manner.

International Standards (ISO) on air, water and soil quality, on emissions of gases and radiation and environmental aspects of products contribute to efforts to preserve the environment and the health of citizens.

DEVELOPMENT OF INNOVATIVE TECHNOLOGIES



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Keeping it simple

Many ISO management system standards now have the same structure and contain many of the same terms and definitions.

This is particularly useful for those organizations that choose to operate a single (sometimes called “integrated”) Management System or an **(IMS)** that can meet the requirements of two or more management system standards simultaneously.



Management system standards

ISO management system standards provide a model to follow when setting up and operating a management system. Like all ISO standards, they are the result of international, expert consensus and therefore offer the benefit of global management experience and good practice.

The standards can be applied to any organisation, large or small, whatever the product or service and regardless of the sector of activity.



The benefits of an effective management system include:

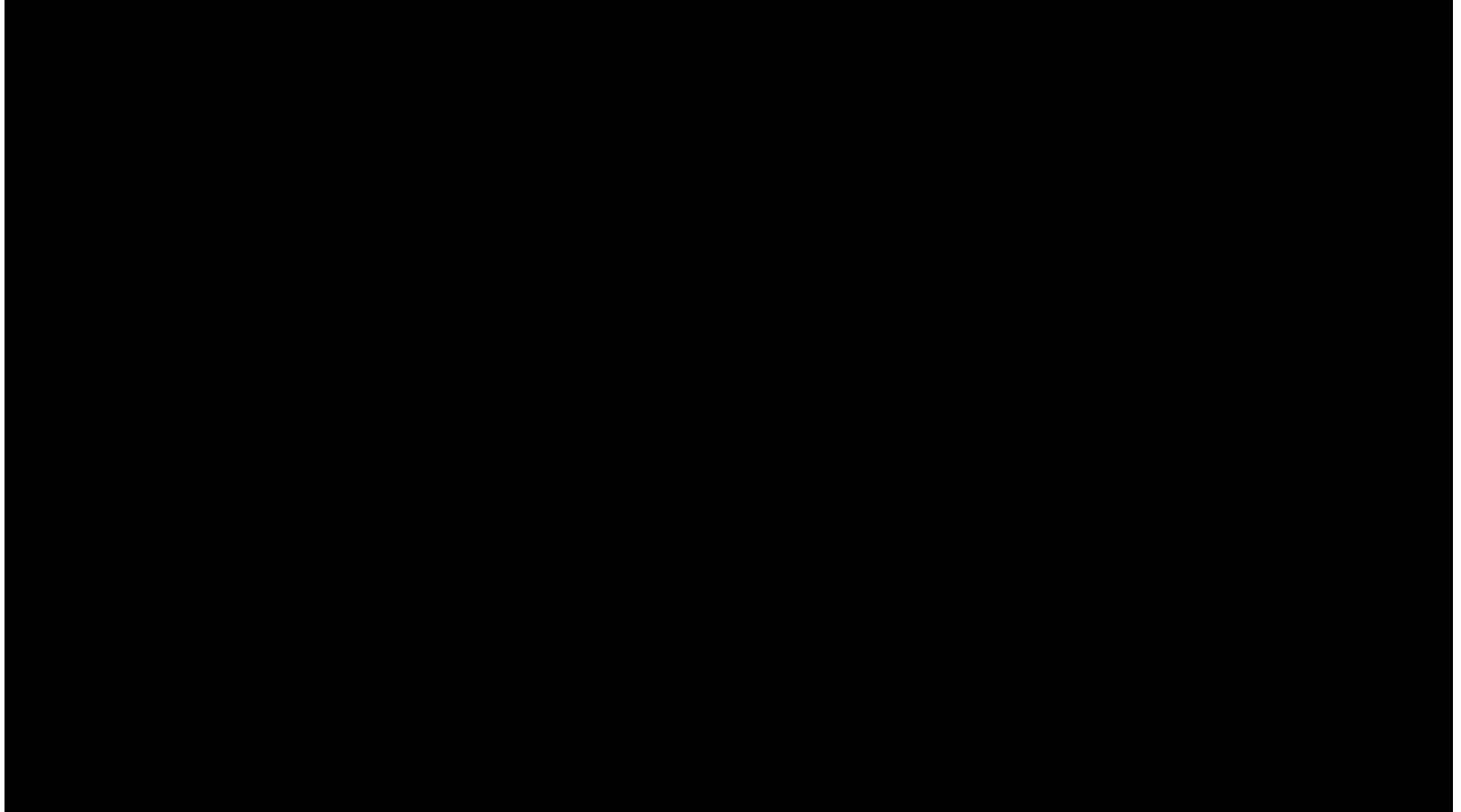


1. More efficient use of resources
2. Improved risk management, and
3. Increased customer satisfaction as services and products consistently deliver what they promise.
4. Audits

Audits are a vital part of the management system approach as they enable the company or organization to check how far their achievements meet their objectives and show conformity to the standard.

In order to help the auditing related to these standards, SCARAB SYSTEMS in association with Electropar PLP is able to provide specific guidance on internal and external management system audits.

ISO Management Systems working at Preformed Line Products Electropar NZ



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For more Information

On how to develop, manage and maintain ISO Management systems to:

- ✓ ISO 9001:2015 Quality
- ✓ AS/NZ 4801 Health & Safety
- ✓ ISO 14001:2015 Environmental

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