



ITO EUROPE

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NEWSLETTER 2

Innovation in name and deed

by Neil Ormrod

When one sees the word 'Innovation' in publicity the automatic assumption is 'Jargon', in many cases it is just written for writings sake. In Japan in general and at Ito Koki in particular INNOVATION is a mindset.

Railway stations: in the UK we have barriers where you pop your ticket in and wait, then collect when the barrier opens and you walk on leaving a good queue behind. In Japan the barrier area is about 4 times as long, you pop your ticket in, walk on and receive the ticket back further along the line – no queues.

Trains: Given the choice we like to face forwards. In Japan a train will come into the terminus, passengers get off, the seats then automatically swing round to face the other direction and when it leaves everyone is facing forward again. Innovative thinking.

Toilets: Not a topic for here but they are superb!!.



Auto-Changeovers: Ito Koki developed the first one in 1964 and have re-developed and re-developed to get to today with a range which covers 6, 8, 10, 20, 30 and 50 Kg/hr

models for Europe. Earlier this year we sold our 9,000,000th 8kg/hr. model!!

Telemetry: Not content with 'the' perfect auto-changeover, which has of course been copied far and wide, Ito Koki moved another step forward - remote telemetry on automatic changeovers.

When the cylinder(s) run low on gas the changeover changes to the reserve and sends a signal by GPRS to a 'remote' reception point by email or SMS. This could be a gas company, a Mobile Homes Park Office, Estates Management, wherever it is required. It improves stock control & delivery routing, cuts down on gas outage and above all gives the customer ease of use and peace of mind.

Hoses: How can you improve on a hose assembly? We have, in 2 ways.

If a cylinder falls over (earthquake, flood, vandalism, poor siting....) the gas inside can easily come gushing out into the atmosphere. We have developed a 'tensile trigger' which cuts the gas supply as soon as it falls over- see the Products page on www.ito-europe.com for the video.

How often do we hear of regulators failing due to phthalates running out of the hose and clogging up pads, orifices etc., BSI testing of the Ito Koki hose liner showed results well below normal at around 1%

extractable against the 10% allowance. Think of a problem then innovate a solution.



GTC Innovation Award

'The WLPGA is very pleased to announce that the winner is a paper called LPG Applied Technology for Seismic Hazard presented by Ito Koki Co Ltd from Japan. The paper describes technologies that can utilize the characteristics of LP Gas to provide a decentralized energy source in response to seismic hazards. Two highly advanced product security technologies are described designed for deployment after an earthquake. The prevention of large-scale damage and recovery technology to quickly restore the gas supply.'



Events 2012



WLPGA Forum, Bali. 11-13 September 2012

ITO KOKI Stand Number 46/47

Install an Installation

We can offer you an automatic changeover, we can shortly offer you an automatic changeover with OPSO, we can offer you a full range of automatic changeovers with remote telemetry.

We can offer you hose assemblies and manifolds.

We can now offer you a full range of cylinder housing to take from 1 cylinder a side up to 10 cylinders on each side. Features include:

- Flat packed
- Pre-drilled
- Fully Vented
- Lockable
- Foundation Plates and Bolts

One of the two products described in our **GTC Paper** is the PA System.

Imagine an earthquake, an act of terrorism, general gas mains maintenance – the gas main to a number of houses or a hospital or emergency kitchen has been cut, broken or just removed for replacement. You can't use LPG as the jets in the appliances will need changing and you don't have time for that.

The PA System takes LPG (propane) and mixes it with air producing a synthetic gas at the outlet with the equivalent burning properties and Wobbe Index as Natural Gas. This system was a key lifeline throughout last year's disasters in Japan, but the PA is not just for disaster relief.

We anticipate having testing completed on this at BSI in the early Autumn and with it certification to EN13785 of the relevant individual component parts.

Eco-friendly vaporization



Within the Ito Koki range are hot water heating type and electric type vaporizers but again the innovation mindset looked at this and came forward with an air heating type vaporizer – the Superizer.

The Superizer uses no electricity or external power/heating source of any kind. The Superizer uses the warmth of the air around it to vaporize the liquid LPG.

The Superizer is available in many different sizes please check the website www.ito-europe.com for more information or contact us direct on the address at the end of this news sheet.

The Superizer is classed as a pressure vessel we shall shortly be commencing the PED process for full range approval.



If you require any more information please ask at: sales@ito-europe.com



Copies of the GTC Award Winning paper and PowerPoint slides are on the website www.ito-europe.com Technical Data and Documents section.



What's Next



Changeover with OPSO and telemetry

Liquid Automatic Changeovers



Natural Gas Governors



Leak Detection Systems



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