

ITO NEWS



ITO Europe Limited, European Subsidiary of The ITO Corporation

Spring 2016

Innovation

Innovation is not just about flashing lights, multi-million dollar investment and world domination. Innovation is not just about super projects saving the world. Innovation can be small, with seemingly limited advantages but when these innovations are targeted within a specific industry they can be major contributors to profits, energy savings and simpler and more efficient ways of doing things.

In this Newsletter we highlight 4 product lines from ITO that fulfil these contributors in their various unique styles.

- ◆ PA System—Propane Air Mixer
- ◆ TAX—Telemetry Ready Automatic Changeovers
- ◆ ecoRizer— Ambient Temperature Vaporizer
- ◆ TIH Hoses, - Tensile Trigger Hoses for Cylinder Safety

*“If you always do what
you always did,*

You will always get

What you always got”

- Albert Einstein

I Innovation

T Technology

O Origination

It's what we do!



PA System

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TAX8 Plus Telemetry Unit

(T)AX

ITO were one of the first companies to develop automatic changeovers, in 1964, since then our product has been widely copied. Throughout the years we have re-developed and improved the product adding many features and benefits, small innovations like cylindrical filters rather than dish style which increases the filter area 2 ½ times, hidden vents to prevent blockages, more effective seals between body and cover to ensure no water ingress, changed the distance between cap and signal to make it easier to turn etc we are always refining and re-developing.

In 1989 we were the first to introduce **telemetry** enabled devices to the market, others have only just begun to test the market. We have a wide range of changeovers, all with telemetry and all certified to the European Standards.

Range

•The range includes 8, 10, 20, 30, 50 Kg /hr. + 10 Kg/hr OPSO and recently the 12Kg High Pressure version was certified to EN16129. All of these references are available with and without the telemetry option.

Global Leaders

In 2014 we reached the milestone of 9 million of the 8 kg/hr. version sold. We have also sold more than 350,000 of the telemetry versions.

Why Choose the ITO Solution

The product is extremely well engineered by highly experienced professionals in changeover technology. With the body made from aluminum and a high performance coating it is ideal for environments with challenging atmospheres such as coastal areas.

* One of our key advantages in telemetry comes from using magnets in the changeover. This ensures a positive change and positive signal, no hunting backwards and forwards and giving false alarms and wasted delivery trips. The TAX system has been tested and found to work perfectly in conjunction with Silicon Controls Gaslog and Sensile Netris plus most other interface units.

TIH Hoses

Events such as massive earthquakes and floods can cause gas pipes to break and leaking gas can cause fires and explosions.

The high pressure rubber hose with tension-triggered valve (TIH) prevents secondary disasters due to gas leaks. It can cut off the gas supply at the outlet of the cylinder.

This hose has been recognized as a highly effective countermeasure against disasters and has received a great deal of press attention. As a result, it is adopted throughout Japan.

When abnormal tension is applied to the TIH hoses, the stop valve built in the connector body is activated and stops the gas supply. Resetting is a simple function, pull back the handle until the red line disappears.

These hoses with tension-triggered valve are very popular in Japan. (They reach 100% penetration in the areas where disaster prevention is sufficiently aware.)

A video demonstration is available on our webpage: <http://www.ito-europe.com/videos/>



PA Systems Destination Turkey

ITO are delighted to have appointed NEBİMAK Ltd. Şti as our Distributor for Turkey.

The new collaboration, alongside the leading LPG supply and manufacturing company Aygaz A.Ş. has seen the first successful delivery and trials of PA systems for back up to Natural Gas supplies.

Nebimak have also undertaken full product training on the PA Sales Engineer Programme and are qualified to install, commission and offer full technical service on our behalf.



PA8 Propane Air Mixer (aka Synthetic Gas Generator)

PA System—No Electricity!

Primarily used following earthquakes and other natural disasters the PA System has many uses.

After a disaster gas supply lines may be cut or damaged, it takes a long time to reinstate the network, that it is checked and repaired safely. In the meantime many people are without hot food, hot drinks, hot water, heat, emergency aid & hospitals cannot function easily.

The PA System provides a matched natural gas supply by mixing propane and air, no need to change nozzles, burners, jets. It is totally portable and no electricity or other fossil fuel is required.

If a gas supply line is to be repaired for general maintenance or emergency work peoples lives get disrupted, again using the PA System a temporary gas supply can easily be put in place—disruption kept to a minimum.

More and more companies are turning to the idea of the PA System as a backup in case of Natural Gas supply cuts, backup for heat engines, back up for air conditioning systems—the uses are wide-ranging. Natural gas appliances can be used in rural areas where no NG supplies are available or before mains are installed.

A recently produced video following on from the 2011 earthquake and tsunami and featuring the PA System is available on our web page : <http://www.ito-europe.com/videos/>



ecoRizer for our environment

The ecoRizer vaporizes LPG without using electricity or any other fossil fuels, it uses the warmth of the air moving through its specially designed fin structures.

With an average payback period of approximately 4 years on electricity costs the ecoRizer will also produce greater savings on electricity costs over coming years, reduce the damage to the environment and being manufactured from aluminum is expected to last decades.

100 > 1500 Kg/hr. or greater using additional units, check out the ecoRizer web page for more information and enquiry sheet: <http://www.ito-europe.com/products-2/ecorizer-air-heating-type-vaporizer/>



Innovation—Its what we do

Contact Us

Give us a call for more information about our products

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**Visit us on the web at
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www.itokoki.co.jp



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EVENTS

WLPGA Oceania Regional Summit



WLPGA Oceania Regional Summit

LPG: Exceptional Energy for Australia, New Zealand & the Pacific Islands

Surfers Paradise Marriott Resort, Gold Coast, Australia 17th-18th May 2016

ITO will be presenting a paper in the section New Technologies from around the World, the paper entitled - **Earthquake Detection, Protection, Recovery**

**Booth
A15**

Istanbul

29th World LPG Forum & 2016 AEGPL Congress

27th - 29th September 2016

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