

## Contents of KWD-globalpipe 388, April 06, 2011

1. SAB SpA/Italy: Leading fitting producer with new Plug&Play for PE pipe connection .....	1
2. Sami Plastic /Italy offered a new PE-Xb multilayer gas pipe and fitting system .....	2
3. Caleffi /Italy will be celebrating its first fifty years of activity in 2011 .....	3
4. Caleffi /Italy presented new product family called Caleffi Renewables at ISH 2011 .....	4
5. Nueva Terrain /Spain launched new clamps for valves .....	4
6. Pipelife Czech offered the new PVC-Quantum SN 12 sewer pipe.....	5
7. Akan Enterprise /China with new developed Polygon anti-UV PE-Xb and GSHP pipe .....	5
8. Sanitube – Sure Union International Ltd. /China: PEX multilayer piping system .....	6
9. Rifeng: A Review of India Market.....	6
10. Nu-Heat constructed a new training centre using Pegler Yorkshire products .....	7
11. AMI: Middle East Plastic Pipes 2011 - Developments of plastic pipes in MENA region.....	8

## SAB SpA/Italy: Leading fitting producer with new Plug&Play for PE pipe connection

⇒ fittings, compression fittings, drip irrigation, drainage technology

**SAB will be one of the biggest producers of fittings and accessories in Europe during the next two years. / The new SUB Plug&Play fitting guarantees efficacy and effectiveness in only 30 seconds.**



KWD-globalpipe, 06.04.2011.

SAB, a System Group company, is market leader in the production of PE pipe fittings and accessories for irrigation, for the delivery of water and gas and for water drainage. Since 15 years the SAB's export rate has been about 60% of revenue. Because of continuous development, SAB

will be one of the biggest producers of fittings and accessories in Europe during the next two years. SAB has a firm structural and production base, with a capillary sales network in Italy and worldwide, supplying over 80 foreign countries in the 5 continents.



SAB at ISH with the product range of SAB and Sami Plastic – both are belonging to the System Group, Italy.

A new factory was opened in 2007 in Sant'Angelo in Vado (PU), Italy, close to the other historical System Group plants. The new structure was the result of an important investment where the best production and logistic technologies were merged to offer products with a high quality/price value, and an ever-improving service level.



**SUB Plug&Play is a new fitting to connect PE pipes PN 16** avoiding gluing or welding procedures. It is ideal for repairs and city work sites or impervious areas and guarantees functionality and safety in 30 seconds also for non-experts. The peculiarity of this product has drawn the curiosity of many customers that have requested specific answers to their requirements. Finally the Plug&Play ø 63 has come to life, the smallest of the range, easy to handle and to install. From now on the Plug&Play range includes ø 63, 90, 110, 125 and 160.



### KWD-globalpipe – Statutory Information:

KWD-globalpipe publishing house, Dipl.-Ing. Jutta Hix, 58332 Schwelm /Germany, Tel. ++49-2336/406642, Fax ++49-2336/406641. **Subscription rates:** 40 issues per year EUR 250,00 (Germany: + VAT). Subscription will be renewed automatically for a further year unless cancelled in writing 4 weeks before expiry date. **Copyright KWD-globalpipe.** All rights reserved. **Editor in Chief:** Dipl.-Ing. Jutta Hix, **Assistant Editors:** Ralf Hamich, Michaela Hamich-Helbrecht.

## About System Group



at the beginning of the eighties, when Centraletubi, with a small extrusion line, began to produce its first PE pipes.

Today System Group counts on a work-force of 600 employees who work cooperatively with the same enthusiasm as in the first years of activity. The branched-out and equally integrated structure includes 16 independent companies; each one specialized in a specific production: pipes, fittings and special fittings, evacuation systems and water treatment, complete sewerage systems, waterworks, gas pipelines and drainage. The structure includes 15 production plants and commercial offices based in five different countries, with over 6000 faithful clients and more than 30 countries consistently served. This has given us the possibility to reach great goals and gratifications.

☰ **SAB S.p.A.**, S. Angelo in Vado (PU), Italy, [sab@tubi.net](mailto:sab@tubi.net), [www.tubi.net/sab](http://www.tubi.net/sab). PR: [sabexport1@tubi.net](mailto:sabexport1@tubi.net)

SYSTEM GROUP, one of the biggest pipe and fitting production holding companies in Europe, is a family run company which took its first steps



„We of the KWD-Team are interested in the PEX multilayer pipe of Sami Plastic, System Group.”

## Sami Plastic /Italy offered a new PE-Xb multilayer gas pipe and fitting system

⇒ PE-Xb multilayer pipes, press fittings

**Sami Plastic, a leading manufacturer of PE-Xb multilayer pipes in Italy, offered a new multilayer gas pipe and fitting system.**



KWD-globalpipe, 06.04.2011. Sami Plastic, a System Group company, is a leading manufacturer of PE-Xb multilayer pipes in Italy. It has a vast range of products that completes the other branches of System Group - HDPE and LDPE pipes for waterworks, irrigation, gas pipelines, drainage, sewerage and multilayer pipes - combined with technical advice services which guarantee an answer for every customer requirement. Sa.Mi Plastic works from many years to develop materials



Sami Plastic shows its product range at ISH at SAB stand, System Group Italy.

and innovative production systems to satisfy its customers with technologically advanced products of high quality. The company, with its qualified cutting edge laboratory, carries out numerous tests to check the incoming raw materials and the finished products to ensure standards of quality.

On April 1<sup>st</sup>, 1996, SA.MI. Plastic SpA got a certification – IIP 147; IQNet: IT-3591 - for the production by extrusion of PE and multilayer pipes and for trading of PE, PP and multilayer pipes, PE tanks for water and depuration, connections in thermoplastic materials and accessories for hydro-thermo-sanitary systems and gas transportation.

### Multilayer pipes and press fittings

SA.MI Plastic PE-Xb / Al / PE-Xb multilayer pipes are available as well pre-insulated, with oxygen barrier, for sanitary and heating systems and floor radiating panel and fan-coil systems (max. working temperature: 95°C) with multilayer press fittings.



Multilayer pipes and fittings

### New: Gas multilayer pipes and press fittings

The PE-Xb / Al / PE-Xb gas multilayer pipe system offered by SA.MI Plastic is guaranteed in the domestic gas installations in conformity with: UNI/TS 11344 norm "metal-plastic multilayer piping systems and fittings for the distribution of combustible gas in domestic plants" and UNI/TS 11343 "Gas adduction plants for domestic use provided by a distribution network and fixed GPL tanks and realized with metal-plastic multilayer piping systems". Sami Plastic gas system can be used in methane or GPL adduction plants with a max. working exercise of 0.5 bar and working temperatures between -20°C and +70°C. In the phase of installation, it is highly recommended to follow the instructions and prescriptions foreseen by the specific norm.



☐ **SAMI PLASTIC S.p.A.**, Sestino (AR), Italy, [samiplastic@tubi.net](mailto:samiplastic@tubi.net), [www.tubi.net](http://www.tubi.net).

### Caleffi /Italy will be celebrating its first fifty years of activity in 2011

⇒ fittings, valves

**50 years successful and challenging of commitment to - and investment in - research, development and communication. This year is therefore a time to reflect and draw some conclusions.**



KWD-globalpipe, 06.04.2011. The company's guiding principle has not changed: to be aware of its own potential and own values, while staying true to its roots and identity. Caleffi seems to have succeeded

in adhering to this philosophy through the years.

Just as it has been from the very beginning, constant attention is dedicated to quality (and its certification), technical product details (continuous improvements inspired by customer feedback) and innovation (with the due research periods necessary to avoid rushed development in pursuit of fleeting market trends). However, great care is also taken over the relationship formed with each individual working with Caleffi because, as the company always says, it is people that make the difference, through their commitment and their sense of belonging to a group experiencing constant growth, both in Italy and overseas. More than 1000 employees worldwide export not only the product – truly Made in Italy, since production has never been outsourced beyond our national borders – but also the Italian parent company's entire system of values: encouraging customer loyalty by offering advice when purchasing a product or selecting the most suitable solution, assisting in the planning phase and responding to all questions, before and after sales, in the customer's own language.

In 1961 the company was established in modest premises, operating as a third-party manufacturer of valves, fittings and accessories in brass and steel. Twenty years on, the products were being marketed under the company's own brand, and the first contracts were signed with the main OEM companies. Over time branches were opened and companies were acquired to improve the market penetration through the direct presence of Caleffi on the country; today the group is made of 14 companies and 2 sales offices; the 3 manufacturing premises are all set in Italy. This has led to the recent creation of two challenging projects, the CuboRosso (RedCube) studies and research centre and the MAV automatic vertical warehouse which guarantees even faster shipment and more punctual delivery.



Reaching full-capacity operation in January 2010, the Automatic MAV Vertical Warehouse is an enormous parallelepiped built behind the headquarters, consisting of self-bearing metal structures capable of handling finished and semi-finished products organized into cases or on pallets. The MAV was designed and built not only to serve the company's logistical needs, but more importantly, as part of a broader strategic plan that gives priority to the logistical requirements of customers.

In 2011 various initiatives will be implemented, affecting the various stakeholders to a greater or lesser extent: attendance at national and international shows will be boosted; the website will be restyled, as will all aspects linked to communication; an impressive video introducing the group will be recorded; and customer visits to CuboRosso and MAV will be organised.

On the 20th of last June, 2008, the new Caleffi Research Centre CuboRosso (RedCube) was presented to the Italian technical press.



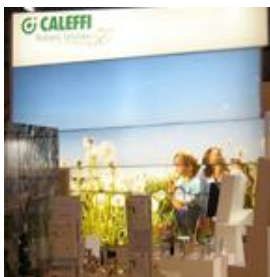
Caleffi embodies the benefits of reconciling opposites, such as near and far, past and future, heritage and innovation, tradition and renewal, logic and sentiment, diplomacy and openness, discretion and sharing. - 50 years young, one might say.

☰ **Caleffi S.p.A.**, Fontaneto d'Agogna (NO), Italy, [info@caleffi.it](mailto:info@caleffi.it), [www.caleffi.com](http://www.caleffi.com).

## Caleffi /Italy presented new product family called Caleffi Renewables at ISH 2011

⇒ fittings, solar heating systems, heat pump systems

**ISH 2011 closes with a top result! The high numbers of visitors, high level of internationality and the good business situation have to be strongly pointed out. / Caleffi takes part in the run towards the alternative energy sources presenting its new product family Caleffi Renewables.**



KWD-globalpipe, 06.04.2011 Caleffi showed a wide range of its components for heating systems, control, plumbing, heat metering and renewable energies.

All agree on the advantages of energy efficient construction. By reducing CO2 emissions, it will contribute to a more sustainable environment and, by consuming less it will save on running costs. In the near future, the need for alternative energy sources will grow even faster. Geothermal energy or geothermal heating, in which heat is extracted from the earth by means of a heat pump, is increasingly mentioned as the solutions to enhance energy efficiency. That's

why Caleffi takes part in the run towards the alternative energy sources by investing in R&S and production of new focused components.

**The new product family called Caleffi Renewables** (light green coloured) collects components for solar heating systems (Caleffi Solar), heat pump systems (Caleffi Geo) and biomass exploitation (Caleffi Bio).

☰ **Caleffi S.p.A.**, Fontaneto d'Agogna (NO), Italy, [info@caleffi.it](mailto:info@caleffi.it), [www.caleffi.com](http://www.caleffi.com).

## Nueva Terrain /Spain launched new clamps for valves

⇒ clamps

**Nueva Terrain, a leading manufacturer and seller of PB and PVC pipes and accessories in Spain, launched new clamps for valves.**



KWD-globalpipe, 06.04.2011. Nueva Terrain is a leading manufacturer and seller of PB and PVC pipes and accessories in the highest segment of the market in Spain (for more information see KWD-globalpipe No. 369, 22.10.2010).

**New clamps for valves:** The strength made when operating valves produces mechanical stress that affects to the nearby pipe and fittings. This stress may cause the failure of the plumbing installation, provoking leakage. To avoid this situation Nueva Terrain recommend



to fix firmly the valves using clamps, this way there isn't stress transmission and the installation is perfectly safe.

☰ **Nueva Terrain S.L.**, Vitoria-Gasteiz, Alava, Spain,  
[nuevaterrain@nuevaterrain.com](mailto:nuevaterrain@nuevaterrain.com), [www.nuevaterrain.com](http://www.nuevaterrain.com).

## Pipelife Czech offered the new PVC-Quantum SN 12 sewer pipe

⇒ PVC, PE, PP and PP-R pipes

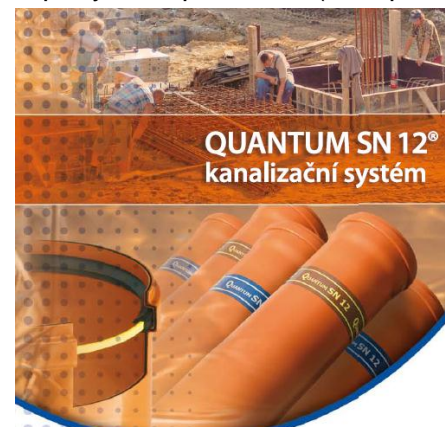
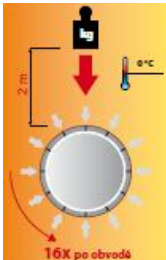
**Pipelife Czech, the largest Czech producer and seller of plastic piping systems, offered the new three layered sewer pipe PVC-QUANTUM SN 12.**



KWD-globalpipe, 06.04.2011. Pipelife Czech is the largest Czech producer and seller of plastic piping systems made of PVC, PE, PP and PP-R. It's wide range of sewerage, water, gas and drainage pipes supplements range of cable ducts, pipes for internal waste, water and heating distribution.

The company Pipelife Czech is located in Otrokovice near the regional capital Zlin. It was founded in April 1994 as a joint venture company Pipelife and Fatra Inc. Napajedla. Until 2004, it was entitled Pipelife - Fatra Ltd. In that year the holding Pipelife International, which is located in Wiener Neudorf Austria, bought the share of the Fatra and became the sole owner of the company with its current name Pipelife Czech Ltd. The Company is constantly developed and expanded its range of products and production capacity. In 2009 a merger took place with the company Instaplant Inc. (Instaplant was founded as a private company in 1990 and as first in the Czech republic came up with the idea to pursue the assembly of internal plastic distribution).

**PVC-QUANTUM SN 12 is a new sewer pipe** in three layer sandwich construction with a smooth outer and inner wall corresponding STO-AO 224-136/2009 according to EN 1401-1. This pipe is stone and wear resistant with ring stiffness of 12 kN/m<sup>2</sup> according to DIN EN ISO 9969 with a service life of over 100 years, allows installation even in temperatures down to -10° C up to 50°C, available in diameters from 150 to 600 mm.



☰ **Pipelife Czech s.r.o.**, Otrokovice, Czech Republic, [pipelife@pipelife.cz](mailto:pipelife@pipelife.cz), [www.pipelife.cz](http://www.pipelife.cz).

## Akan Enterprise /China with new developed Polygon anti-UV PE-Xb and GSHP pipe

⇒ PE-Xb pipe

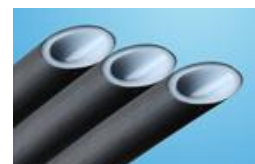
**Akan Enterprise has enlarged its product range with the newly developed product Polygon anti-UV PE-Xb pipe and GSHP pipes for GSHP system.**

**POLYGON PIPE**®

KWD-globalpipe, 06.04.2011. AKAN Enterprise Group (Shanghai) Co. Ltd., the joint venture of American Polygon Group & AKAN International Group (for more informations see

KWD-globalpipe No. 365, 22.09.2010) with new products.

**Polygon Brand anti-UV PE-Xb pipe is a newly developed product** especially for outdoors' field complies Australian Standard AS4176.8-2010 (ISO17484-1:2006, MOD). Nokia Mailefer Extruder, one-step MONOSIL silane crosslinking PE technology, imported carbon black material is adopted to ensure everything in high quality. The pipes are available in coils in diameters from 16 to 63 mm.



**New: GSHP pipe for GSHP system.** Ground source heat pumps provide a new and clean way of heating buildings all over the world. They make use of renewable energy stored in the ground, providing one of the most energy-efficient ways of heating buildings. They are suitable for a wide variety of building types and are particularly appropriate for low environmental impact projects.



☰ **Akan Enterprise Group (Shanghai) Co., Ltd**, Pudong, Shanghai, China, [www.polygonpipe.com](http://www.polygonpipe.com), [polygon@polygonpipe.com](mailto:polygon@polygonpipe.com).

## Sanitube – Sure Union International Ltd. /China: PEX multilayer piping system

⇒ PE, PE-Xa, PE-Xb, PEX / Al / PEX, PP-R and PVC pipes, press fittings

**Sure Union International Ltd. manufactures brass fittings for PEX, plastic and copper pipes.**



KWD-globalpipe, 06.04.2011. Sure Union International Ltd. founded approximately in 2000 manufactures brass fittings for PEX, plastic and copper pipes and it is a supplier of various piping related products as well as sanitary items (include toilet seat and other bathroom accessories). Its business scope includes PEX / Al / PEX pipes, PE-Xa and PE-Xb pipes, PPR pipes, fittings and tools for these pipes, valves, faucets, drainage systems, bathroom shower, and other PVC and/or PE pipes. Sure Union International supplies OEM service for specified brass products.



content on the products and on the export cartons.

All the sourcing operations are based in China. Therefore, the prices are rather competitive compared with other suppliers of the same or similar business fields. The company aims at gaining more and more customers from other countries with the overall competitiveness advantages. For many (not all) products it supplies, it can print the customers' brand names or other

☰ **Sure Union International Ltd.**, Room 1006, Hui Hao Building (East Tower), 519 Machang Road, (Pearl River New City), Guangzhou 510627, China, [www.plasticpipe.com.cn](http://www.plasticpipe.com.cn).



Press fittings



Multilayer pipes

## Rifeng: A Review of India Market

**Cooperating with Rifeng's new agent Sant International PVT Ltd., Rifeng has acquired better and better performance in India market.**



KWD-globalpipe, 06.04.2011. Together with Sant International, which is subsidiary of Sant Valves PVD Ltd., Rifeng attended the Plumbexindia 2011 exhibition from 11st to 13rd February in Mumbai, which was specialized on piping industry. This is the second time of participation in this exhibition with the plumbing system, gas system and air-conditioning system displayed. During the exhibition period, Rifeng Products Seminar was held on 12<sup>th</sup> February. About 100 professional consultants, architects, developers and distributors from all over India were invited by Sant International and Rifeng to attend. By this platform mutual understanding and trust were delivered. Rifeng's products and systems were understood further more by India customers. Positive responses indicated the great perspective of its piping system in this market.

☰ **Rifeng**, Foshan, Guangdong, China, [overseas@rifeng.com](mailto:overseas@rifeng.com), [www.rifeng.com](http://www.rifeng.com).

## Nu-Heat constructed a new training centre using Pegler Yorkshire products

Nu-Heat, the under floor heating systems specialist, has constructed a new training centre to encourage best practice when installing underfloor heating systems and when needing a selection of the best valves and fittings to demonstrate to students the correct way to handle and install a variety of systems, they turned to Pegler Yorkshire.



KWD-globalpipe, 06.04.2011. The new training center is located in Honiton and the courses will have full accreditation by awarding body NICEIC. Several courses will be on offer, covering Ground Source Heat Pumps (GSHP), Air Source Heat



Pumps (ASHP), Exhaust Air Source Heat Pumps, Domestic Solar Hot Water and of course Under floor Heating. These courses will be taking advantage of valves and fittings from Pegler Yorkshire when teachers and instructors give practical demonstrations of the correct methods of working. It is envisaged that plumbers, heating engineers and professional installers will get the most out of the courses. Training Centre Manager Guy Metcalfe said, "All our training courses will be NICEIC accredited and the GSHP and ASHP courses are already complete and I am just putting the finishing touches to the Underfloor Heating Course." When putting practical courses of this nature together, it is essential to have the right products to demonstrate, as Guy explained, "I am a plumbing and heating engineer with over 25 years experience and I have been teaching plumbing, heating and renewable technology for the last 7 years. In this time I have used and investigated many products and I must say Pegler Yorkshire valves and fittings are fantastic." Pegler Yorkshire's range includes everything from the long established Integral Solder Ring Fitting, to the very latest in push-fit technology.



Nu-Heat will be using a selection of the latest Pegler Yorkshire products, depending on the course requirements. The training courses are already attracting a great deal of interest; and with over 600 students already waiting to take part, this is just the beginning. The call for these courses is growing as demand for this type of work increases and has already seen Nu-Heat have a 25% increase in staff annually to cope with demand. "Ultimately, our objective is to become one of the UK's most reputable, established and sought after renewables training providers and in order to do this, we must offer the very best learning facilities and courses that will enable partic-

ipants to become qualified, professional renewables installers – and that's exactly what we are doing." Pegler Yorkshire's Chris Stott said, "We are always keen to support training in the plumbing and heating industry and we are delighted that our range of valves and fittings will be used as part of the Nu-Heat's training courses. We believe our products are among the best available, but it is always welcome to hear this sort of positive feedback, particularly from engineers like Guy who have worked in the industry for many years." Guy Metcalfe again, "I would like to thank Pegler Yorkshire for their kind supply of equipment and as well as using these valves and fittings for demonstration, I will also be recommending the products to students within the training center. I am looking forward to continuing to work with the company and their fittings in the future as the new training center takes off." The training centre is now up and running and those who are interested in finding out more about the courses on offer can visit [www.nu-heat.co.uk/training](http://www.nu-heat.co.uk/training) for further details.

### About Nu-Heat

Nu-Heat is the largest specialist supplier of warm water underfloor heating systems to the UK domestic market, delivering fully designed underfloor systems to housebuilders and installers nationwide.



**Pegler Yorkshire Group Limited**, GB-Doncaster,

[info@peglyorkshire.co.uk](mailto:info@peglyorkshire.co.uk), [www.yorkshirefittings.co.uk](http://www.yorkshirefittings.co.uk).

**Nu-Heat UK Ltd.**, GB-Honiton, [info@nu-heat.co.uk](mailto:info@nu-heat.co.uk), [www.nu-heat.co.uk](http://www.nu-heat.co.uk).

## AMI: Middle East Plastic Pipes 2011 - Developments of plastic pipes in MENA region

After the success of the previous events, AMI's 4th edition of the Middle East Plastic Pipes Conference will take place in May 2011 at the JW Marriott Hotel in Dubai, UAE. This event is focused on the applications, markets and technology for plastics pipes in the Middle East region.



KWD-globalpipe, 06.04.2011. Plastics pipes are increasingly replacing traditional materials in piping systems in the region in both new build and in rehabilitation and repairs.

Standards institutes have developed tests to ensure that quality meets performance requirements for each application. Every part of the manufacturing process from polymer and additive supply through production processes and installation, are critical to long lifetimes of pipe products in this demanding environment.

The region's economic output grew by 2.4% in 2009, less than the 5% growth achieved in 2008. The economic growth estimate for 2010 is about 4.5% and the expectation is that the region's economy will continue to grow at similar rates during the next 4-5 years. The region's population exceeds 400 Mio and is growing at circa 2% per annum. Together with the good economic performance and governmental investments in infrastructure, this strongly stimulates the construction activity – and hence the demand for pipes.

**Middle East Plastic Pipes 2011 is a unique forum** to debate the latest technical and market developments in the pipe industry in the MENA region. AMI has put together a very thorough program which includes sessions on market drivers, sewerage and drainage pipes, specialized pipes and water supply pipes. The busy 2 day schedule includes many presentations from experts companies such as

- AMI Consulting /UK: Middle East pipe market; trends and developments
- Georg Fischer Piping Systems /UAE: Improving installation quality of PE piping systems
- JM Eagle /USA: Optimizing lifetime value in infrastructure with PVC & PE pipe
- Dow Europe GmbH /Switzerland: PE-RT for industrial pipe applications
- Basell Deutschland GmbH /Germany: Polybutene-1 pipe applications for hot and cold water
- Raktherm /UAE: Innovations in PPR pipe systems
- Jain Irrigation Systems Ltd. /India: Jain Irrigation Systems Ltd.
- 

The conference offers an invaluable opportunity to network and expand the knowledge beyond inter-disciplinary boundaries. Middle East Plastic Pipes 2011 is sponsored by Columbian Chemicals and Borouge.

### Download for the detailed program

Click first <http://www2.amiplastics.com/Events/Event.aspx?code=C396&sec=1476>, then on "English Program" on the left side at the bottom.



AMI Consulting, <http://www2.amiplastics.com/events/>.