

PIPE TECH REVIEW

Pipe Technology NEWS from
TEPPFA

PIPE TECH REVIEW

- ▶ TEPPFA this week
 - Baltic States join
 - Brainstorming project
- ▶ Business News
 - World Water Congress
 - Sustainability Report
 - Chinese Market
- ▶ Europe
 - Europe mobilises
 - New Guidelines
 - Euro orders up
- ▶ Technology
 - Early Bird Calls
- ▶ Architects
 - Volumetrics!
- ▶ What is TEPPFA?

PIPE TECH REVIEW launched

BRUSSELS. Now introduced, **PIPE TECH REVIEW** will publish technical information about industry products, applications and developments.

READ WHAT ROGER SMITH, TEPPFA PRESIDENT SAYS ABOUT PIPE TECH REVIEW, PAGE TWO



"There is a real need to communicate the technical details of an industry that is making a real difference in the way we all live and work."



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► PIPE TECH REVIEW

Roger Smith, President of TEPPFA, the Brussels-based association says that 'PIPE TECH REVIEW is a medium that will appeal to all stakeholders of the industry and in particular its customers and specifiers such as architects, engineers and building developers. There is a real need to communicate the technical details of an industry that is making a real difference in the way we all live and work.'

"In addition to the new technical bulletin, we intend to gradually revise our website to make it more user-friendly and dynamic. How our many different public audiences perceive our organisation is important. We intend to inform and communicate in the most efficient and meaningful way."

► Baltic States join TEPPFA

The Baltic States have joined TEPPFA through the NPG (Nordic Pipes Group Association). The NPG is a Nordic countries' association promoting the interests of the plastic pipe industry in Norway, Sweden, Finland and Denmark. Last month, Poland, the Czech Republic and Hungary took up membership of TEPPFA.

Tiem Meijering, TEPPFA project manager and technical expert explains: "We decided some while ago to nominate two coordinators to promote plastic pipe associations in Eastern Europe. Without such organisations, a vacuum would have been created and existing European quality mark systems would have been put to risk."

"This is not what we want and it certainly does not serve the best interests of customers. Our customers need to have the best products and information available. Since regaining independence in 1991, Estonia, Latvia and Lithuania have each made remarkable progress in transforming their economies. The International Monetary Fund reports that the Baltic States are expected to achieve economic growth from 4.1% to 6 percent through 2006."



Tiem Meijering

"We shall be working closely with our new colleagues in the Baltic States especially in the introduction of CE marking in relation to quality marks."

Contact for the new association is:

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► Brainstorming Project

Next week, a TEPPFA special working committee is to brainstorm over how to communicate the results of the Buried Pipe Project. This project was successful in determining the optimal conditions for the installing buried plastic pipes. In combination with the Sustainable Municipal Pipes (SMP) Project, it therefore represents a potentially powerful promotional tool. The SMP was a project that involved CCTV surveys of over 1,800 kilometres of sewer pipes. It provides powerful evidence of the advantages of plastic pipes over those made from traditional rigid materials.

"The Buried Pipe Project has been a long and meticulous study and one that has involved hundreds of hours of testing, simulation and then more testing. Needless to say plastic pipes perform better than those made of traditional materials but only when common standards of installation are applied."

Tony Calton from Allaxis will be chairing the meeting.

► WORLD WATER CONGRESS

China with 1.3 billion residents and globe's largest importer of oil which has a lot to do with the price of gas on world markets is the location for the IWA Water Congress and Exhibition. The event is to be held this year in Beijing on the 10 -14 September.

3,500 international delegates are expected to visit, network and exchange knowledge in all aspects of the water cycle.

Visitors will be primarily Congress delegates, being high-level professionals from utilities, operators, government, researchers, consultants and NGO's. They clearly represent significant buying power and technological development.

Various members of TEPPFA will attend the exhibition where a strong European presence is expected. Mike Shepherd from Thames Water will also be present to explain how his company is replacing traditional pipe networks with plastic pipe systems.

Further information:

www.iwa2006beijing.com



► SUSTAINABILITY REPORT

Georg Fischer AG of Schaffhausen is adding a Sustainability Report to its existing Environmental Report and Annual report. The new Report is designed to communicate the Corporation's sense of responsibility towards the environment, its employees and society.

The company says that the Report will be published to take account of social aspects and to meet the growing need for transparency on questions of sustainability. The Report will be available in English and German on the Corporation's website and also in printed form on request.

► CHINESE PIPE MARKET

Chinaust is installing two new extruder lines for the growing Chinese pipe market. The firm is a joint venture formed by the GF Piping Systems division of the Georg Fischer Group, headquartered in Schaffhausen, Switzerland, and the Chinese company Ling Yun.

The Chinaust Plastics Group is already the largest gas pipe manufacturer in China, and one of the leading producers of pressure pipes for water transport.

Battenfeld Extrusionstechnik are to supply two new turnkey pipe extrusion lines for the production of PE pipes with diameters ranging from 40 to 250 mm. Production will start shortly.

► EU mobilising for crisis

The EU is mobilising civil protection assistance for Lebanon and Cyprus. This move comes from a direct request from the Lebanese government for international assistance and an appeal for medicines, supplies, materials for shelter and construction and fire fighting equipment.

Such activities are coordinated by the Commission through the activation of its Monitoring and Information Centre (MIC), located in DG Environment.

Roel van 't Veer, General Manager of TEPPFA is already offering help from the European plastic pipe industry. Technical advisers and experts in Middle East trade and industry are also standing by to assess needs and initiate an immediate response where possible.

► Piebalgs welcomes new guidelines

Brussels. Energy Commissioner Andris Piebalgs, has welcomed the Council decision to adopt the Commission's proposal for a revision of the Trans-European Energy Network (TEN-E) Guidelines.

"The guidelines identify a European-wide electricity and gas transmission network, which is indispensable for the correct functioning of the internal energy market and to improve security of supply. The new rules will make authorisation procedures easier and attract the necessary investment for cross-border projects of high European interest", said Commissioner Piebalgs.

In particular, the guidelines integrate fully the ten new Member States into

the network and present 42 projects of European interest. In addition, they provide the framework for increased coordination, exchange of information and the possibility of the appointment of a European Coordinator. The revised guidelines clearly reflect the three main objectives of Europe's energy policy, namely sustainability, competitiveness and security of supply.

It is recognised that interlinked regional and national markets give customers the benefit of better service quality, a wider choice of the energy mix and competitive prices. On the top of that, the integration of large-scale wind generated electric power into the grid constitutes a Europe-wide challenge. The guidelines present 42 projects of European interest.

More information:

http://europa.eu/rapid/pressRelease_sAction.do?reference=MEMO/06/304

► Euro orders up by 2.3%

The **euro area** industrial new orders index increased by 2.3% in May 2006 compared to April 2006. Whereas these figures released by Eurostat do not itemise plastic pipes, they provide some basis for general economic optimism.

EU25 new orders only rose by 1.5% in May 2006, after remaining stable in April and even falling by 1.1% in March. Excluding ships, railway and aerospace equipment, industrial new orders grew by 1.9% in May 2006 in the **euro area** and by 1.4% in the **EU25**.

► EARLY BIRD CALLS

Dr. David Walton, Vice Chairman of the organising Committee for **PLASTICS PIPES XIII** has called for delegates to quickly register for the conference. Registration before 1 September is cheaper.

Speaking to this news service he explained: "To my European plastic pipe industry colleagues I would like to say: This is first time that we have taken the Conference across the Atlantic and we trust that you will all attend Plastics Pipes XIII in Washington to make the event a success and to make us all stronger by sharing our knowledge and experience."



David Walton

500 international delegates

The event that takes place in Washington DC at the Omni Shoreham Hotel between 2 – 5 October this year, will be combined with the International Plastic Fuel Gas Pipe Symposium Series. Over 500 international delegates are anticipated for what promises to be a forum of open exchange of technical, scientific and market related information. Organisers are planning workshops and concurrent sessions on gas pipe, water pipe, plumbing, sewer, structural and drainage.

"European managers should seriously consider registering now on return from summer vacations. The dollar and cheap fares make Washington DC an ideal location for what is an important international event," says Walton.

"This is the first time that TEPPFA has been an official sponsor of the event as a member of the organising company PPCA."

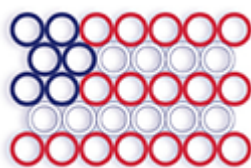
"We are expecting participants from over 40 countries and the program has been specially tailored to prompt significant technical interest and important commercial interaction."

Over 90 individual presentations are planned and the conference schedule is available from:

<http://www.plasticspipes.com/speakers.shtml>

Exhibition space may also be reserved and this information is available from:

<http://www.plasticspipes.com/exhibits.shtml>



PLASTICS PIPES XIII

Washington, DC | October 2-5, 2006 | Omni Shoreham Hotel

► Volumetrics for Care Centres

A new word is changing the way many architects design, the way many builders build and the way pipe-makers supply pipe systems. Anthony Russell is a leading architect from the firm Lend Lease Projects. His company is the first in the UK to roll out Senior Care Centres designed simply by assembling completely pre-fabricated units within a design structure. The approach is called Volumetrics.

First on the list of these Senior Care Centres is the planned extension to the existing Signature Senior Living building in Herne Bay in Kent. The total project is worth EUR 8.7 million and here, 36 residential apartments, kitchen, lounge and assisted bathrooms are to be quickly slotted into place utilising a unique steel structure.

Complete

Over the next twelve months, the sectionalised apartments will arrive on site in a finished state. "They will be complete with wall tiles, sanitary ware, kitchens, plastic Hot & Cold pipes, plastic soil & waste, radiators, windows, etc. Everything included - except for a final lick of paint, carpets and the joining up of electrical and plumbing services." The external wall components such as render and brickwork are constructed whilst the fitting out is being undertaken within the modules.

But volumetrics is not a totally new concept. Anthony explains: "In the UK, the industry has been building hotels with this method for the last fifteen years. Prisons have also relied on this fast build principle."



Anthony Russell

But what about the quality and is it not taking away the skill and ingenuity of the architect?

Quality checks

"Architects give form and shape and Builders are expected to work miracles! Volumetrics are not about saving total building costs. Each module or unit will have been produced on an enormous assembly line with all the quality control checks for air permeability, heat loss and acoustics."

The units are to be prefabricated by Caledonian Building Systems based in Newark.

"Each apartment will have been designed to exceed all building regulations. You get what you ordered and there are no surprises and the workmanship is of the highest quality."

"Volumetrics is not about replacing architectural design by characterless uniformity. It's about designing within a set of fairly unrestrictive design parameters. There are some confines but the upside is time-to-site and surprising flexibility. The need for high performance structures is met by carefully crafted design elements. We were very much aware of how the Seniors would use and experience this building. And of course Herne Bay is an inspirational location. Barnes Wallis tested his Bouncing Bomb just offshore from where we have taken advantage of the wonderful sea views."

Dispersal of surface water

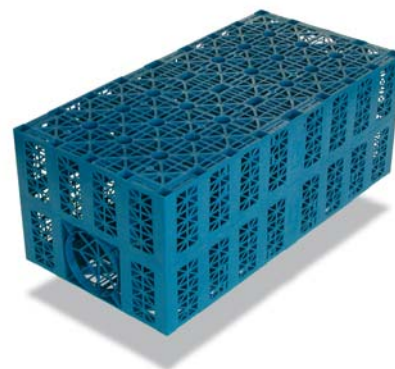
Another important architectural consideration was the fact that Herne Bay falls within the Coastal Protection Zone. This means that the dispersal of surface water was a focus. "We were not allowed to change the existing arrangement and patterns of water dispersal. Quite rightly or the land would disappear into the sea."

The solution was ingenious and not without the assistance of plastic pipe systems. In this case, Wavin Aquacell Attenuation System. This stormwater management storage system comprises a series of individual plastic infiltration modules. With 88 m³ of these units buried in the ground, we shall be able to capture rainwater and gradually release it via the drainage system. No floods, no back-up and no unplanned ground movements."

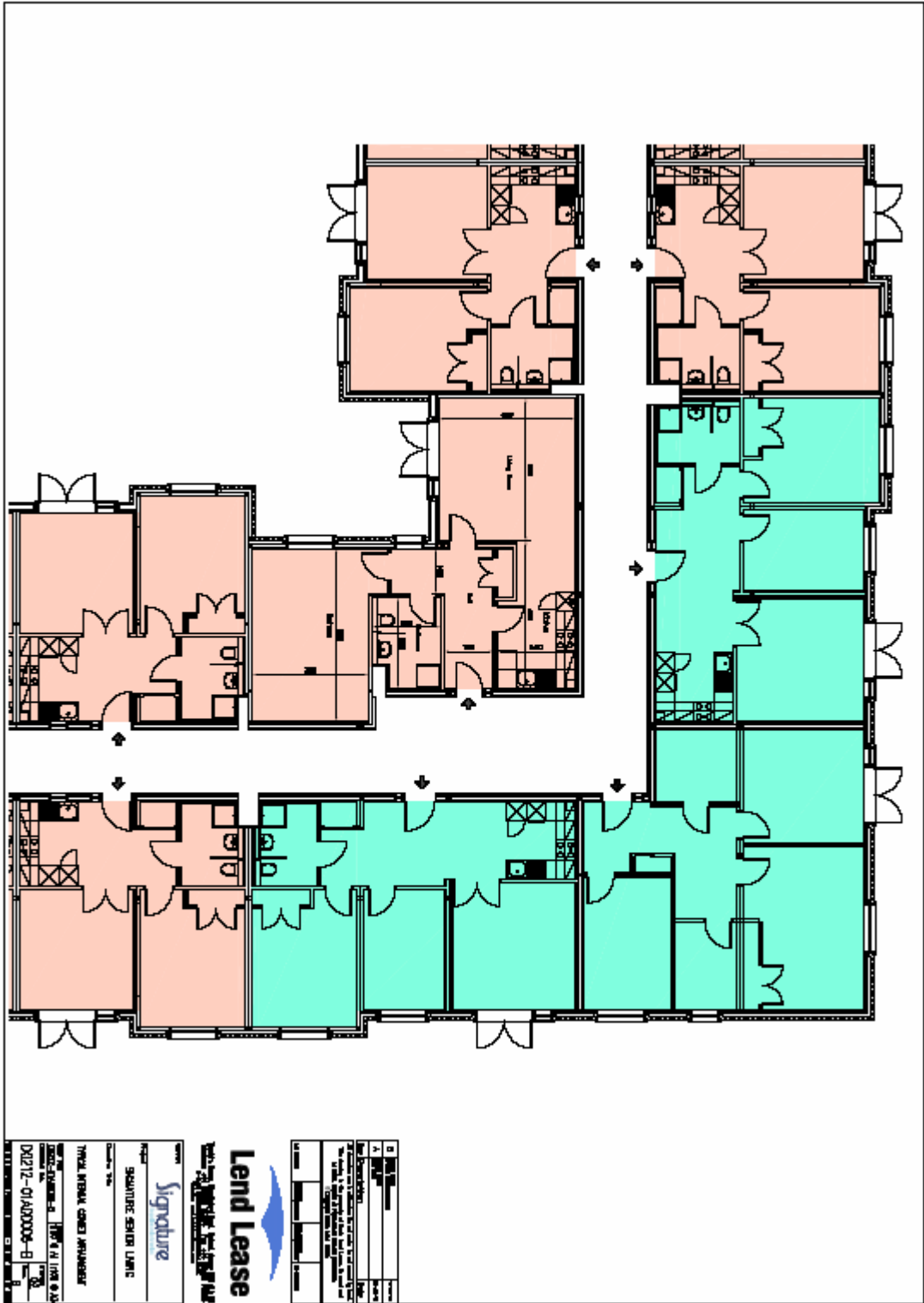


Unit arriving on site

Using the volumetric solution, Lend Lease plan to roll out a total of 35 care centres over the next five years. It is an ambitious target and whereas this building technique is still in its infancy, the finished design is going to be visually stimulating.



Aquacell unit from Wavin



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10	DATE	
11	BY	
12	REVISION	

Lend Lease
 COMMERCIAL REAL ESTATE
 1000 W. WASHINGTON ST. SUITE 1000
 CHICAGO, IL 60604
 (312) 467-1000

Signature

PROJECT: SIGNATURE CENTER LANE
 CLIENT: VNA
 DATE: 11/11/11
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 APPROVED BY: J. B. BROWN
 TITLE: ARCHITECT

The European Plastic Pipes and Fittings Association was founded in 1992 to actively work for and represent the interests of European manufacturers of plastic pipes and fittings and their respective national trade associations.

More than 150 companies, representing a total of approx. 30.000 employees, are members of this Brussels based organisation either through their national associations or directly. The objectives of TEPPFA are to play an active role in questions relating to the environment and sustainable development and to provide a platform for European representation in the areas of environment, certification and standardisation and promotion of plastic pipe systems.

President of TEPPFA is Roger Smith who is also a Senior Management Executive of the Aliaxis Group of companies. During his presidency, Roger has witnessed a fair amount of changes, namely the enlargement of the organisation with new member companies and the inclusion of national associations from Eastern and Central Europe.

General manager of TEPPFA is Roel van 't Veer who has an extensive background in plastic pipe business acquired at Wavin. His core skills of diplomacy and expertise in the field of strategic issues are highly valued.

Proactive

TEPPFA is an extremely proactive association. For example, it has prompted the creation of collection and recycling schemes for plastic pipe waste recycling across Europe. It has also initiated the Voluntary Commitment on behalf of its membership to adhere to major principles concerning environmental issues.



Roel van 't Veer

Within the context of EU 25, it is sharing best practice and technical expertise with the new countries as well as assisting in the organisation of their own plastic pipe associations.

Decisions

Many of the key policy decisions are made within two working groups and three application areas. The working groups are:

- Health Safety & Environment
(Chair: Guntram Bock/Poloplast)
- Certification & standardisation
(Chair: Jean Carmier/Aliaxis)

Application Groups are:

- Civils
(Chair: Maarten Roef/Wavin)
- Building
(Chair: David Harget/Uponor)
- Utilities
(Chair: Nabil El Barbari/Georg Fischer)

For further information on TEPPFA, visit www.teppfa.com or email info@teppfa.org

