



TANK NEWS

INTERNATIONAL

Tank Storage & Logistics
Autumn Edition 2017

International news on the tank storage and logistics industries



Tarsco
a TF Warren Company



Your **Solution** for storage tanks and terminals.

- ✓ Expertise in All Types of Low Temperature Tanks
- ✓ Hundreds of Tanks Constructed Around the World
- ✓ Highly-Experienced Team Dedicated to Tanks
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When you work with IHI E&C, you gain access to global resources experienced in the engineering, procurement, construction and commissioning & start-up of midstream and downstream facilities. You have options—we work closely with our clients to identify the scope of services that will offer the greatest value. You receive flexibility, both commercially and strategically. And, you get all of this with the full support of our parent company, IHI Corporation.

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IHI Realize your dreams



COMPOSITE REPAIR SPECIALIST

TANK REPAIR & LEAK SEALING



2 composite repair systems for damaged tank & vessel

TANKiK® & REINFORCEKiK® PATCH

EMERGENCY REPAIR
 Ready-to-use kit
1 TANKiK® = 1 repair

PERMANENT REPAIR
 Compliant with ISO/TS 24.817 & ASME PCC-2
Tailor made for each repair

Suitable for various tank designs



PIPE REPAIR - ONSHORE & SUBSEA



REINFORCEKiK® 4D

ONLINE LEAK SEALING



STOPKiK®

PIPE & SUPPORT PROTECTION



ROLLERKiK®

STEEL BEAM REPAIR & PROTECTION



REINFORCEKiK® BEAM & DKiK®



www.3xengineering.com



POLYSET



Established in 1980 by two GE chemical engineers, Polyset is a technology-driven materials company that custom formulates high performance coating, adhesive, sealant, and elastomer systems.

The company's flagship coating product, WB HRZS® Single Coat System, is the previously NASA-patented IC-531. Polyset is the original, commercial manufacturer of this 100% WaterBorne High Ratio Zinc Silicate. This product

chemically bonds to steel and therefore will never undercut; it also provides both galvanic and cathodic corrosion protection, has high heat and abrasion resistance, and is 0 VOC.

Additionally, WB HRZS® Single Coat System is weldable, making it an excellent candidate to provide superior corrosion protection for interior tank bottoms. If used as a primer system on exterior tank surfaces, Polyset manufactures high performance

topcoat systems including their Ply-Guard AS (Polyaspartic) and Ply-Guard PSC8 (Polysiloxane) that offer high gloss and color retention and additional abrasion and chemical resistance.

The company's Ply-Guard UR (Polyurea) can be spray-applied to full film thickness in a single pass and offers excellent impact, chemical, and abrasion resistance. This product meets NSF/ANSI 61 and can be applied on interior water tank surfaces.

Polyset is ISO 9001 and MBE certified, and while their manufacturing facility is located in upstate NY, the company partners with distributors around the world that share their vision of offering high quality products and excellent customer service.

For more information visit www.polyset.com

3X ENGINEERING

Founded in 1990, 3X ENGINEERING (3X) is a company that specialises in industrial maintenance based on composite technology. The company's expertise includes all industry sectors and particularly Oil & Gas, Power Plant and Construction. From its head offices in Monaco, 3X operate worldwide, Onshore and Offshore, thanks to its large distribution network. 3X is now represented by over 40 exclusive partners all around the world.

The company's range of products includes:

✓ TANKIT® & REINFORCEKIT® PATCH: 2 composite repair systems specifically dedicated for damaged tank and vessel. TANKIT® is an emergency and temporary reinforcement solution ready to be used in specific cases.

REINFORCEKIT® PATCH is the solution for a lasting tank reinforcement (up to 20 years for external corrosion). Tailor made for each repair, this product is compliant with ISO/TS 24.817 & ASME PCC-2. Both of them can be applied on various tank designs and diameters.

- ✓ REINFORCEKIT®4D: composite repair for pipe reinforcement (onshore & subsea)
- ✓ STOPKIT®: online leak sealing (onshore & subsea)



- ✓ ROLLERKIT®: pipe & support protection
- ✓ REFLANGEKIT®: online & under pressure leaking flange repair for SF6 gas
- ✓ REINFORCEKIT® BEAM & DKIT® : beam renovation & corrosion protection

For more information visit www.3xengineering.com

COMPOSITE REPAIR SYSTEMS FOR DAMAGED TANKS

Oil Water Gas Onshore & Offshore