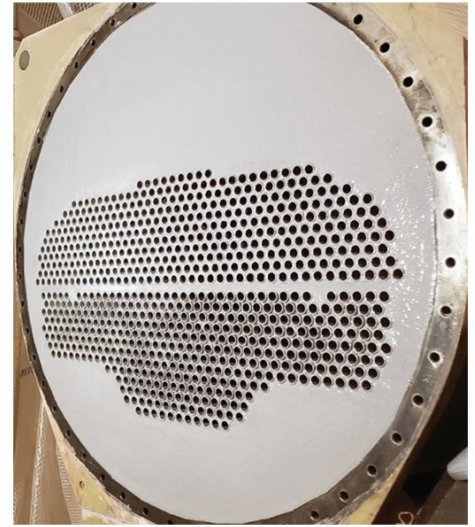
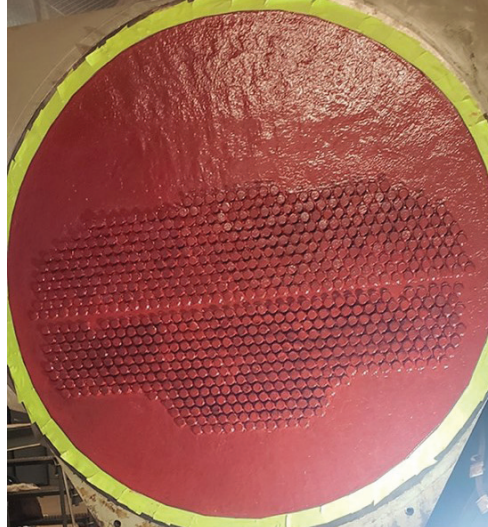




Facility Maintenance, Why is it Important?



The typical commercial and industrial facility requires a large amount of oversight to maintain the environment. Facility maintenance, a subset of facility management, is an important function required to keep a location safe, secure, and operating well. If facility maintenance is done well, staff and visitors barely notice any of this work is taking place at all. Properly maintained facilities are clean and very well organized.

Maintaining a safe and comfortable working environment goes far beyond the traditional landscaping and janitorial work that many people envision when they think of facility maintenance.

1. Managing the costs of aging assets, such as pump casing, impellers, blowers, valves, heat exchangers and chillers. Replacement cost is on the rise, and lead times for new equipment are getting longer and longer. Let's face it – your manufacturing facility, building, water or wastewater plant isn't getting any younger. What are you doing to extend the life of your current machinery or equipment? Are you protecting your equipment from the cost of erosion, corrosion, or abrasion?

2. Reducing electrical cost. Pumping Systems account for nearly 20% of the world's electrical energy demand, according to USI Department of Energy Office of Industrial Technology, "Pump Life Cycle Cost". Any technology that produces even a modest improvement in pump efficiency should be considered. One major water utility made improvements to one of their 1,500 hp pumps that resulted in a projected electrical cost savings of over \$33,500 a year, every year for the next 30+ years – an estimated \$1 million savings. How often can you get that rate of return?

3. Lowering the overall life cycle cost of your equipment, machinery, building or structures. According to AMPP (formerly NACE), corrosion is the degradation of a material (usually a metal, although it can be concrete or other substrates due to the reaction with its environment). For corrosion to occur you need an anode, a cathode, a metallic pathway, and electrolytes (water). 100% solid epoxy and polyurethane coating from Unconventional Solutions principals like **Resimac**, **Duromar**, **Denso** and **3M**, act as barrier, keeping water off the metallic pathway and thereby preventing corrosion.

We also have systems to prevent abrasion, erosion, or chemical attack. One the best things you can do on a new pump, blower, valve, heat exchanger or chiller is to coat it before it experiences galvanic corrosion, and increase the life expectancy of your HVAC equipment.

4. Reducing or minimizing downtime without hazardous "hot work." Unplanned downtime in manufacturing is one of the largest causes of lost productivity, causing delays, lost revenue, and unhappy customers.



Are you prepared for the unexpected when a worn shaft, slopy keyway, scored hydraulic ram, worn bearing housing or leaking pipe threatens your manufacturing plant, building facility, water, or wastewater treatment plant?

USI Dates to Remember

October 2-4

AMPP Eastern Conference (Savannah, GA)

October 10

Great Lakes AMPP on Prestressed Concrete Pipe in Cathodic Protection Areas (Ann Arbor, MI)


October 19

SEMPPE Meeting at Bakers of Milford (Milford, MI)

REPAIR LEAKS – IN PLACE



Leaking pipes cost you money in two ways:

1. **COST OF LOST FLUID.** You lose the actual cost of the fluid leaking. Treated water or chemicals for processes can be quite expensive
2. **REPORTABLE OSHA violations.** You may have the potential of an OSHA reportable incident.
3. **DOWNTIME** for needed or required repair and maintenance
4. **SLIP AND FALL RISK.** According to some insurance companies leaks costs the USA up to \$5 billion a week in trip, slips and falls.
5. **FUGITIVE DUST** leaks can bring fines from the EPA of \$20,000 to more than \$150,000. 

PRODUCT HIGHLIGHT

Emergency Maintenance Repair Kit

USI's Emergency Maintenance Repair Kit can quickly fix:

- Leaking Pipes
- Sloppy Keyways
- Cracked Blocks & Casings
- Scored Hydraulic Rams
- Spline Repairs
- Bearing & Bush Housings
- Shaft Journals
- Resurfacing Flanges
- Holed Pans & Casings
- General Machining Repairs

Emergency Maintenance Repair Kit



BONDS TO ANY METAL/PVC

MAINTENANCE REPAIR KIT INCLUDES:

- 2 Aqua Sticks
- 2 Small Pipe Repair Tape (2" x 6')
- 2 Urethane Metal Repair 106 XF
- 1 Metal Repair Paste 101
- 1 Elastomer Repair
- 1 Release Agent 035
- 1 USI Universal Cleaner
- 1 Reinforcement Tape
- 2 Spatula
- 1 Engineering Maintenance Manual
- 1 USI Emergency Plug Pattie
- 5 Pairs of Gloves
- 1 Tool Box

Call us @ 248.735.7000 for a FREE demonstration.

<https://www.usigroups.com/product/usl-emergency-maintenance-repair-kit/>



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Contact the USI team today! We have an Unconventional Solution for YOU!

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Fast, Friendly Service & Shipping

