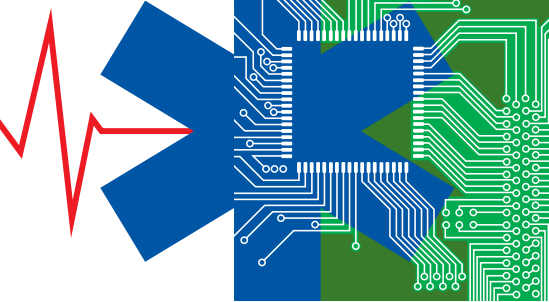
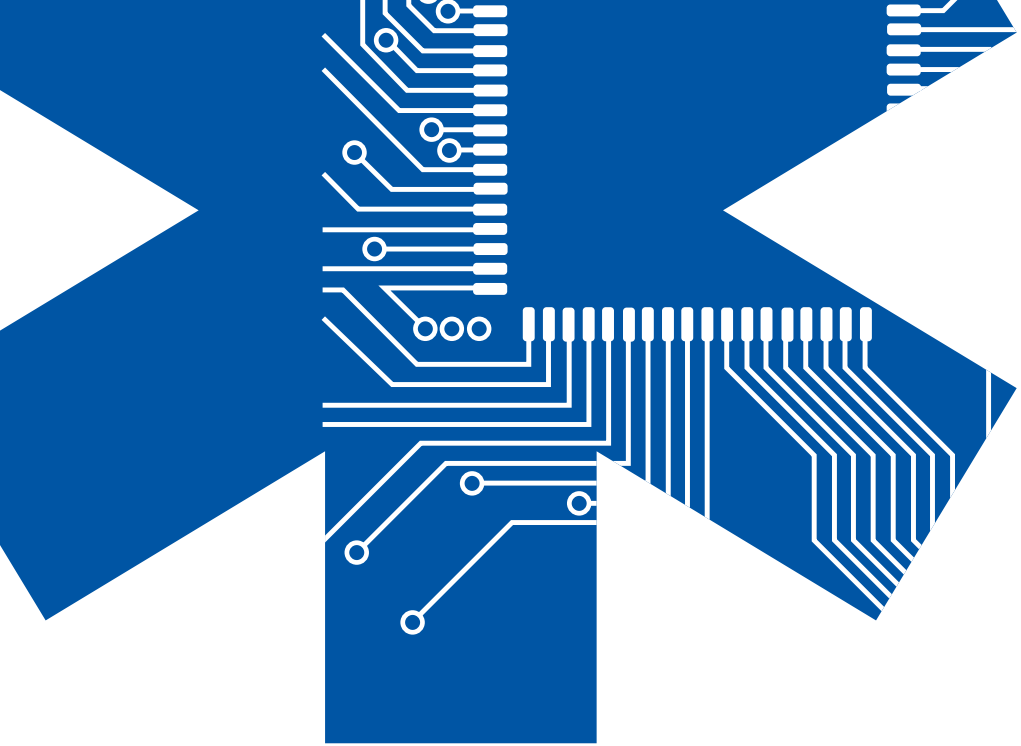


**Technical
Restoration
Services**

ER
ELECTRO-MECHANICAL RECERTIFIERS INC.



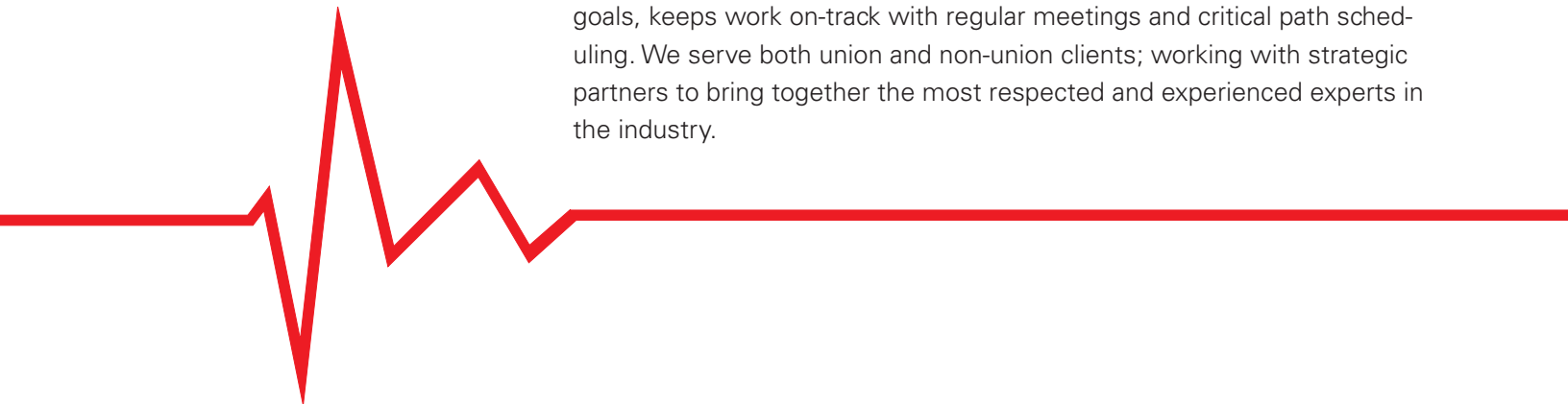


Your emergency service and repair **lifeline**

Commercial buildings, private and public facilities, processing plants and industrial sites affected by disasters have a need to out-source the technical components of their loss. Machinery, electrical equipment and computers that are adversely affected need a fast track recovery plan. In an effort to limit losses and expedite business resumption, ER has such a program in place. Extensive experience with equipment restoration allows us to provide unparalleled response. We understand the challenges of working with unique structures that have been damaged as well as their various building systems, and the electro-mechanical equipment found in different building designs.

Our approach to disaster recovery allows us to become part of your technical recovery team as we work to find timely and cost-effective solutions to restoring your equipment which if left unattended will directly affect your facility's safety and future productivity.

Providing results-based project management by establishing time sensitive goals, keeps work on-track with regular meetings and critical path scheduling. We serve both union and non-union clients; working with strategic partners to bring together the most respected and experienced experts in the industry.



Large Loss & Catastrophic Loss Response After a Disaster Event....

Recovery of any business or organization is mission critical after experiencing a disaster. Lost work days, loss of revenue and production down-time must be minimized...

Fast response is key to recovery and successful to continuity of business.

The Reality

After a business experiences a disaster event, sensitive equipment degrades rapidly.

The Problem

Long lead times are needed to order then replace equipment. High equipment costs and complicated installations add to the business down time.



The Solution

After a loss event occurs, quick response, step logic approach and a programmed system employing our fully equipped mobile lab and dedicated and trained staff allows for saving of technical equipment - made simple. Proper restoration methodology ensures a faster recovery period for any business.



It is important who responds and how they respond.

You can trust **ER** to bring both elements.



- Mobile lab offers secure, clean and climate controlled environment to store, restore, repair and test.
- Save on shipping & handling and incidental damage costs by restoring equipment on-site.

Equipped to handle electronics, bio-medical, power distribution gear, IT equipment, computers, parts, food processing equipment, machinery, motors, control panel and all equipment types.

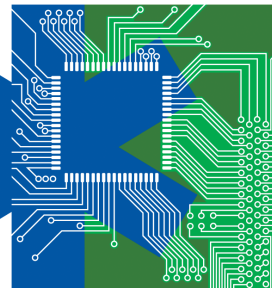
Electro-Mechanical Recertifiers, Inc. team has developed risk assessment tools. Our technical recovery strategies allow for accurate evaluation, decontamination and testing of equipment.

**ALWAYS a 24/7/365 - RESPONSE
TOLL FREE - 877.378.4183**

www.ER-EMERGENCY.COM

ELECTRO-MECHANICAL RECERTIFIERS INC.

Office Locations Nationwide ■ Toll Free Emergency: 877-378-4183



Capabilities

ER's emergency recovery capabilities are supported by a group of highly skilled tradesmen from a broad range of disciplines, from electronics and mechanical technicians, equipment mechanics, to IT experts and millwrights.

Our safety policy protects their welfare and your peace of mind while ER is onsite. Projects are completed with the help of other specialty trades people whenever necessary. We retain the services of various specialty groups from including asbestos handling, hazardous waste, and environmental contractors; electrical and mechanical engineers; restoration contractors; industrial hygienists; PLC programmers, software engineers and control panel electricians.

We offer complete recovery of electrical power equipment and as well as mechanical systems including proprietary machinery. Our group provides can-do attitude and work ethic; our synergistic approach to projects from mitigation to re-certification ensures a complete approach to technical recovery.



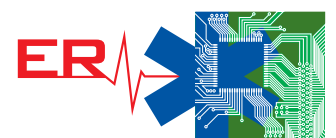
Emergency Response Lab

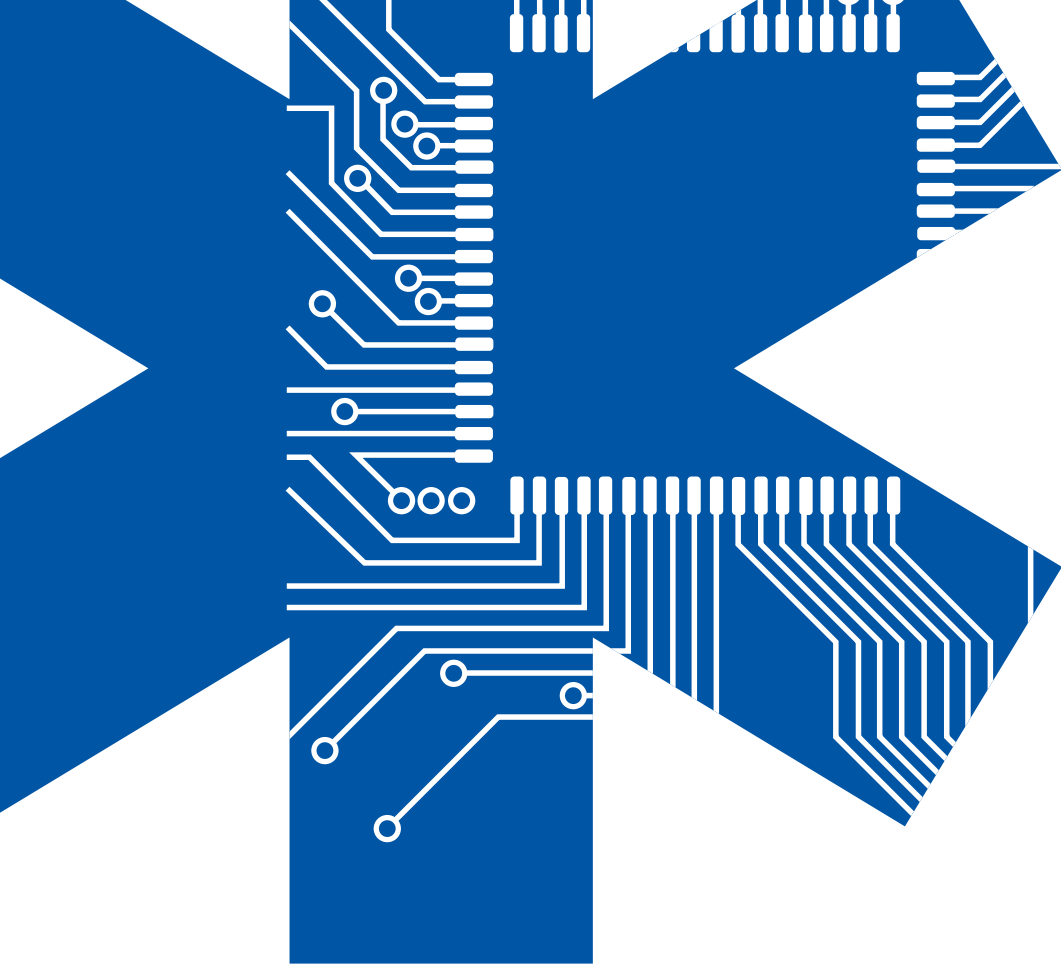
ER's one-of-a-kind Emergency Response Lab is fully outfitted for corrosion control, decontamination, repair and a NETA testing facility to restore equipment to pre-loss condition. We service equipment of all types, makes and models. Our facility has fully certified and calibrated bench testing with third-party technicians that provide independent testing and validation protocols to make sure equipment meets operational standards. We work with OEM's to establish restoration protocols and criteria for re-certification and eventual re-commissioning of all equipment types.

Making your sensitive electronics and electro-mechanical equipment operational and getting your company back in business is our goal. Don't gamble with your equipment when you can have a sure winner. ER is a win-win company doing the little things that are important to the technical recovery.

Commonly serviced equipment types

- Material handling and automated lines
- Fabrication and molding operations
- Manufacturing equipment and production lines
- Robotics
- CNC and manual machine shop equipment
- Bag house & fume collection devices
- Bio-medical & dental equipment
- Computer/IT/Communication systems
- PLC and relay logic control panels
- Refrigeration/cold storage
- Paint and powder coating lines
- Food and beverage processing
- Commercial kitchen and baking equipment
- Electro-mechanical machinery
- Power distribution and switch gear





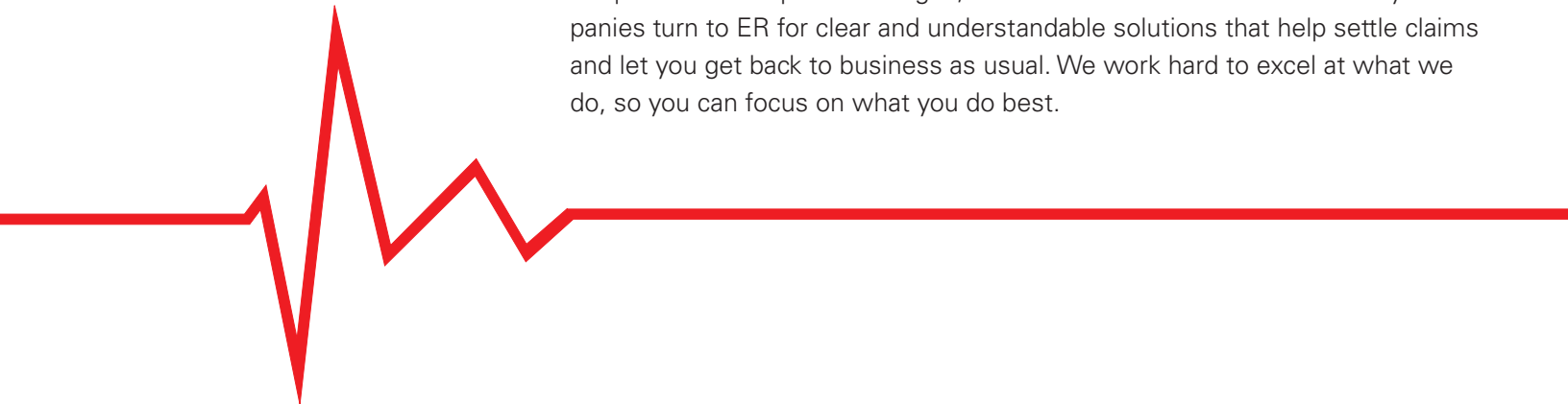
ER Consulting Services

Technical reporting made **simple.**

Electro-Mechanical Recertifiers provides reports that support loss prevention, risk assessment, and claims settlement for property owners, insurers, adjusters, risk managers, and private clients. We deliver independent analysis in a relevant, usable format that we are proud to stand behind – from the boardroom to the courtroom.

ER has a multi-disciplined team of consultants that applies a synergistic approach to each project and creates balanced assessments that focus on the unique needs of each client and each claim.

Equipment recovery, engineering, and information systems each presents a unique set of complex challenges, even before a loss occurs. That's why companies turn to ER for clear and understandable solutions that help settle claims and let you get back to business as usual. We work hard to excel at what we do, so you can focus on what you do best.



CONSULTING DIVISION: Electrical, Mechanical and Specialty Disciplines

Electro-Mechanical Recertifiers, Inc. offers technical & engineering reports for the myriad of electrical and mechanical equipment and machinery claim types. Our professional site investigative services followed by supporting laboratory testing, research and analytical assessments produce a quality consulting report used to assist settlement of claims. Our reports have proven valuable from the board room to the courtroom.

Electrical Incidents causing operational issues and/or malfunction, subsequent failure of electrical wiring & power gear, equipment, machinery and computer servers and IT devices:

- Lightning damage
- Power surge incidents
- Utility interruption
- Effects of fire, smoke, water or flood to electronics



Computer Server and Network IT Incidents:

- Loss of data or software applications
- Reconfiguration of devices
- Networking losses
- Cyber hacking or viruses



Common Electrical Incident Failures:

- Electrical Switchgear Fire
- Failure of Backup Generators and ATS resulting in loss-of-use issues
- Arc Flash accidents
- Electrocuting & shock accidents
- Tank overfills
- Poor maintenance issues
- Overheating and explosions
- Equipment Installation errors
- Electrical design defects
- Alarm systems failures
- Controls failures

Mechanical and Structural Incidents:

- Process pipework failures
- Boiler fires and explosions
- Structural failure
- Material defects
- Elevator failures
- Design defects

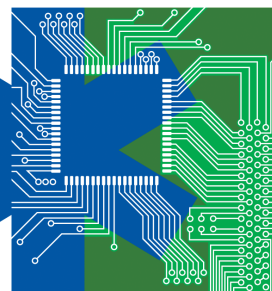
Our team of specialists and professional engineers has experience assessing, investigating and writing reports for many risks that carriers insure and insureds experience. Call today for a complete and accurate assessment of failed equipment items and building systems.

In the U.S. please call us at : 877-378-4183.

International calls (001) 410-213-1480.

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TECHNICAL BULLETIN: Handling Flood Damaged Electronics and Equipment Mitigation Checklist

Storm surge, flash flooding and river flooding is the enemy of any business or home. The toll on electronics and equipment continues even after the water recedes. If energized during the event the affected equipment and machinery may have sustained damage to the circuit breakers, in-line fuses, motors and main fuses which may have “blown and shorted” from the initial onslaught of water infiltration. The second onslaught of damage to electronics is “ongoing and continues” even as the water recedes. Electrical wiring, motors, computers, motor starters, contactors and control cabinets received contaminants from the flood water (ground water and salt water from flooding is very contaminated) this water contains chlorides, sulfides, heavy metals, hydrocarbons and other biological inhibitors and environmental waste chemicals that are unhealthy, toxic and corrosive. As the water recedes the stainless, copper, aluminum and plain steel substrates of micro-circuitry and electrical components which have been covered in contaminated water continue to oxidize from the contaminants in the water as the oxygen hits the contaminated metallic surfaces which increases corrosion exponentially. Painted surfaces can bubble, pop and peel. All metals can corrode resulting in oxidation.

Flash rusting and corrosion enhanced by flooding and drying can be averted with proper mitigation protocols. Fast action is the key to being able to restore sensitive electronics, equipment and electrical gear. Some items may corrode from the secondary effects of the flooding just by being in non-climate controlled conditions and being exposed to high moisture meaning relative humidity has reached condensing levels or the dew point has been exceeded meaning these items have been exposed much higher levels of humidity than designed and energizing them without a thorough analysis of the effects of corrosion may result in premature failure.



Equipment Restoration Candidates - if proper dewatering and corrosion control inhibitors are applied:

Electrical Gear - Certain transformers, controllers, electrical cabinets, breakers, switch gear & cabinets, wiring and distribution equipment can be effectively restored and tested. Certain small controllers, case molded circuit breakers and dry transformers may need replaced.

IT Equipment, Computers and Servers - Hard drives that have been immersed in flood water should be stabilized and processed for data recovery. Computers, routers, servers and switches that are subject to high moisture may be restored effectively.

Boilers, HVAC and Fire Pump Systems - Are possible candidates for restoration. Certain devices such as limit switches, burner management control, motor controllers and motors may need repaired or replaced. Pressure vessels, coils and pumps will need preservation to ensure they may be restored.

Equipment and Machinery of all types including Restaurant and Food Processing, Bio-medical, Elevators, Security Systems, Automated Access Systems, Machine Shop Equipment and PLC and Relay Logic Control Panels can be effectively restored but small sensitive items may need to be replaced.

Mitigation Protocol Steps

- De-energize and lock out/tag out power sources
- Security and caution tape off all open access hazards and open panels, install temporary barriers for drying purposes
- Inspect for hazards and mitigation needs
- Remove standing water from equipment areas - extract or pump standing water and air wash all equipment Interior and exterior surfaces
- Open all control and cabinets to expose the components and install temporary barriers for drying purposes
- Rough clean and rinse all gross contamination areas with dionized water
- Air wash all surfaces
- Apply contact cleaner to circuit boards and low voltage electrical devices
- Apply corrosion control inhibitors to all electronics and structural components and cabinets



These mitigation steps must be employed as soon as safely possible after the site is cleared for entry. These are the critical steps if restoration is to be attempted on valuable equipment and machinery.

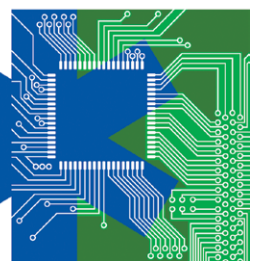


We have our crews, mobile lab, engineers, technicians and third party testing firm ready to respond. Electro-Mechanical Recertifiers, Inc. stands ready to help our strategic partners with recovery of high value assets and equipment. We have prepared and are ready to mobilize to the flood affected regions. If you have any questions please contact us at info@er-emergency.com or **877-378-4183**.

**It is important who responds and how they respond.
You can trust ER to bring both elements.**

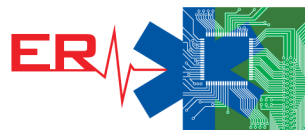
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