### Areas of Expertise

#### Industries
- Automotive
- Commercial/Residential
- Mining
- Medical/Healthcare
- Power
- Restaurants
- Telecommunications
- Equipment and Machinery
- Electrical
- Alarm Systems
- Audio/Visual Systems
- Broadcast Equipment
- Bus Ducts and Busways
- Cellular Equipment
- CNC Controls
- Computers/Networks
- DC Plating Equipment
- Dental Equipment
- Factory Machinery
- Fire Alarm Systems
- Generators
- Medical/Healthcare Equipment
- Motors
- Production Machinery and Controls
- Security Systems
- Structure Wiring
- Switchgear
- Telephone Systems
- Transformers

#### Mechanical
- Appliances
- Boilers
- CNC Controls
- Compressors
- Electro-Plating
- Elevators/Escalators
- Generators
- HVAC Systems
- Injection Molding
- Loops
- Machinery
- Motors
- Ovens (Industrial)
- Piping Systems
- Printing Presses
- Pumps (Industrial, Municipal)
- Sewing Machinery (Industrial)
- Sprinkler Systems
- Switchgear
- Testing
- Transformers

#### Vehicular
- Automobiles
- Buses
- Campers
- Earth Movers
- Farm Tractors
- Golf Carts
- Mobile Homes
- Recreational Vehicles
- Semi-Tractor
- Skid Loaders
- Specialty Vehicles
- Hospitality Trailers
- Trucks
- Well-Drilling

#### Subrogation Cases
With more than 50 years of combined experience in hands-on scene investigations, Amset performs a vital role in assisting clients with subrogation case. All of Amset's engineers are educated in the subrogation process — scene examinations are suspended, and involved parties are put on notice once a potential situation is identified. Our engineers are also adept at providing expert testimony in the event of litigation.

#### Technicians
To expedite loss scene processing and turnaround time, Amset has an experienced group of technicians, billed at a lesser rate, to assist in:
- Fire Scene Dig-outs
- Evidence Collection
- Evidence Handling
- Transportation of Evidence
- Exemplar Product/Research Laboratory Setup - Essay.
Seeking the Right Technical Partner?

Try the Amset Experience — your trusted partner.

Amset makes a difference:
the right partner is essential. With the insurance industry challenged by rising claim activity, new

Expeditious Turn-around
Saving Time and Money
Delivering Timely Communication of Key Activities
Producing Clear, Concise, Easy to Understand Reports — No Matter
Peer Review of Reports

How Technical
cost efficient resolution and clear
resources.
rise, which stress your diminishing
and experienced staffs decline while
settlements — assignments increase
property casualty losses and
the pressures you confront managing
settlement process, we understand
As the focal point for the claim/
quality controls and experienced use
All assignments are meticulously
processed through our internal

Derive Factual Based Conclusion
Rule Out Other Possibilities
Scientific Method
3. Create Hypothesis
- Example: "Our hypothesis is that a device was compromised.
- Loss Scene Re-Creation
- Timelines Creation
- Peer Review
4. Test Hypothesis
- Re-Create Event
- Videotape Results
- Rule Out Other Possibilities
- Derive Factor-Based Conclusion.

Amset makes a difference:
Comprehensive Forensic Investigative Detail and Accuracy
Peer Review of Reports
Producing Clear, Concise, Easy to Understand Reports — No Matter
Delivering Timely Communication of Key Activities
Saving Time and Money
Expedient Turn-around
Maintaining Confidence during Legal Challenges

Try the Amset Experience — your trusted partner.

In-House Laboratory Exams. Amset has all the necessary equipment,
tools, space, and accommodations to host both small and large
multi-party laboratory examinations, and to complete either a non-
destructive or destructive artifact examination. Laboratory equipment includes:
Digital Microscopy • Digital Videography • Ultrasound Cleaning
• Steam Cleaning • Power Washing • Walk-in Decontamination Hot Water
Wash Booth • Variable AC and DC Power Supplies • Oscilloscopes • Hot Air • Fixtures • Power and Hand Tools
Same day X-Ray and CT scan technology can also be facilitated.

Knowledgeable engineers document the test results
achieved on-site for insurance purposes.

Expert Warrant Testing:
The resale of an insurance claim
can become contentious. Amset's engineers document their work res-
with the anticipation of litigation. Amset has testified for both the plaintiff and the defense in a wide variety of engineering disciplines
that has arbitration and mediation hearing experience.

Loss Recovery
Cost Analysis: The research and analysis staff at Amset goes beyond
the technical side of the claim. The determination of costs for repair,
replacement, actual cash value (ACV), and like-kind-and-quality are ser-
vice that is offered by Amset. Clients rely upon the technical expertise
of Amset to understand the capabilities and costs of equipment in the
fields of:
- Aviation
- Medical Systems
- Test Equipment
- Computers
- Telecommunications
- Elevators, and more.

Salvage Services. Because we know the marketplace for technical
equipment, machinery, and electronic components, Amset will recover
costs for the client by selling damaged items thought to have no value.
Components within a device may have salvage value, even if the device
is beyond repair: Amset has the expertise to decontaminate, restore
and sell it as desirable salvage. Amset salvage storage is available to hold onto precious metals or equipment until the market
is favorable for a higher return.

Data Recovery: Amset consults and advises the client on appropri-
ate recovery solutions. Confidentially agreements are always in force
while recovering data and minimizing turnover is timely and efficient. We offer
data recovery from:
- DAMAGED/COMPROMISED COMPUTER HARD DRIVES
- TAPE • CD• DVD • SECURITY DVR WITHOUT EVIDENCE Storage.

With more than 10,000 square feet of secure monitored warehouse space for evi-
dence storage, artifacts as small as a screwdriver or as large as a vehicle are sealed upon arrival, thereby
eliminating any possibility of cross contamination or
amplification. Amset follows strict chain of custody procedures and has an in-house laboratory to conduct
forensic examinations.

Electronics & Machinery Restoration. Amset's affiliates, Zodiak Equipment Restoration, Inc. special-
izes in the decontamination and cleaning of electrical and mechanical equipment. Zodiak technicians are
ICRC certified and trained in all aspects of loss related
hotseats, such as spoliation, chain of custody, and
documenting a loss. Equipment in need of decontamination
can be restored on site or within Zodiak's facility, with
the expertise of Amset available to resolve any complex
issues that may arise. Calibration and recertification
equipment is facilitated by Zodiak through DECs to
the policyholder back to a pre-loss condition.
Seeking the Right Technical Partner?

Try the Amset Experience — your trusted partner.

Amset makes a difference:
Amset delivers a technical partnership that helps streamline your claims the right partner is essential. With the insurance industry challenged by rising claim activity, new technology, and ever increasing litigation of claim settlements — having a non-destructive or destructive artifact examination. Laboratory equipment includes: Digital Microscopy, Digital Videography, Uniform Cleaning, Steam Cleaning, Power Washing, Walk-In Decontamination Water Wash Booth, Variable AC and DC Power Supplies, Oscilloscopes, HHO, Future-Proof and Hard Tools. Same day X-Ray and CT scan technology can also be facilitated. All examinations are digitally recorded and the master recording is archived at an off-site location for security purposes.

Expert Witness Testimony. The resolution of an insurance claim can become contentious. Amset's engineers document their work res- Full-Exposure Origin & Cause. Amset has conducted hundreds of origin & cause investigations, as both a product representative, or lead investigator of a fire scene. As Certified Fire and Explosition Investigation (CFEI through the National Association of Fire Investigators [NAFI]), Amset's engineers perform two functions at once — locate the source of fire and determine what factors caused the fire. Inadvertent losses may not be dealt with appropriately, but Amset can provide the support necessary to complete the investigation in a timely manner.

Cost Recovery. Amset consults and advises the client on appropri- ate recovery solutions. Confidentially agreements are always in force while recovering data fromdisk media is a priority. We offer data recovery from: Damaged/Compromised Computer Hard Drives, Tape, CDs, DVDs, Security DVRs.

Evidence Storage. With more than 10,000 square feet of secure monitored warehouse space for evi- dence storage, artifacts as small as a screwdriver or as large as a vehicle are sealed upon arrival, thereby eliminating any possibility of cross contamination or spoilage. Amset follows strict chain of custody procedures and has an in-house laboratory to conduct examinations.

Electronics & Machinery Restoration. Amset’s affiliates, Zodiac Equipment Restoration, Inc., special- izes in the disassembly and cleaning of electrical and mechanical equipment. Zodiac technicians are IRC certified and trained in all aspects of loss related hotbeds, such as spoliation, chain of custody, and discov- ering a loss. Equipment in need of disassembly can be restored or sold or valued through Zodiac’s facility, with the expertise of Amset available to resolve any complex issues that may arise. Calibration and recertification of equipment is facilitated by Zodiac through CEIA to hold the policyholder back to a pre-accident condition.
Seeking the Right Technical Partner?

Try the Amset Experience — your trusted partner.

As the focal point for the claim/ settlement process, we understand the pressure you confront managing property casualty losses and settlements — assignments increase and experienced staff decline while company/customer expectations rise, which stress your diminishing resources.

We are your direct line to establishing the true cause of damage, timely, cost efficient resolution and clear communication of key activities.

Amset makes a difference:
- Comprehensive Forensic Investigative Detail and Accuracy
- Peer Review of Reports
- Producing Clear, Concise, Easy to Understand Reports — No Matter the Complexity
- Delivering Timely Communication of Key Activities
- Saving Time and Money
- Experienced Tom-Around
- Maintaining Confidence During Legal Challenges

Try the Amset Experience — your trusted partner.

In-House Laboratory Exams. Amset has all the necessary equipment, tools, space, and accommodations to host both small and large multi-party laboratory examinations, and to complete either a non-destructive or destructive artifact examination.

- Digital Microscopy
- Digital Videography
- Ultrasound Cleaning
- Steam Cleaning
- Power Washing
- Walk-In Deionized Water
- Wash Booth
- Variable AC and DC Power Supplies
- Oscilloscopes
- HDMI
- Oscilloscope Probes and Hand Tools

Same day X-ray and CT scan technology can also be facilitated. All examinations are digitally recorded and the master recording is archived on an off-site location for security purposes.

Expert Witness Testimony. The resolution of an insurance claim can become contentious. Amset’s engineers document their work meticulously with the facts and information required to establish the technical and financial issues, and has arbitration and mediation hearing experience.

Loss Recovery

- Cost Analysis
- Research and analysis staff of Amset go beyond the technical side of the claim. The determination of costs for repair, replacement, actual cash value (ACV), and like-kind-and-quality are services that are offered by Amset. Claims rely on the technical expertise of Amset to understand the capabilities and cost of equipment in the fields of:
  - Aviation
  - Medical Equipment
  - HVAC
  - Telecommunications
  - Computers
  - Televisions
  - Elevators, and more

Salvage Services. Because we know the marketplace for technical equipment, machinery, and electronic components, Amset will recover costs for the client by selling damaged items thought to have no value. Components within a device may have salvage value, even if the device is beyond repair. Amset has the expertise to disassemble, restore, and sell it so desirable salvage. Ample storage space is available to hold onto precious metals or equipment until the market is favorable for a higher return.

Data Recovery. Amset consults and advises the client on appropri- ate recovery solutions. Confidential agreements are always in force while recovering data and turnaround is timely and efficient. We offer data recovery from:
- Damaged/Comprised/Computer Hard Drives
- Tape
- CD/DVDs
- Security DVRs

Evidence Storage. With more than 10,000 square feet of secured monitoring warehouse space for evidence storage, artifacts as small as a screwdriver or as large as a vehicle are sealed upon arrival, thereby eliminating any possibility of cross contamination or spoilage. Amset follows strict policies of custody procedures and has an in-house laboratory to conduct without examinations.

Electronics & Machinery Restoration. Amset’s affiliated, Zenith Equipment Restoration, Inc. specializes in the decontamination and cleaning of electrical and mechanical equipment. Zenith technicians are ICRI certified and trained in all aspects of loss related fields, such as الشمال، خطوط، و مصادر وحوش and document reducing loss. Equipment in need of decontamination can be restored on site or within Zenith’s facility, with the expertise of Amset available to resolve any complex issues that may arise. Clean-up and re-certification of equipment is facilitated by Zenith through DEOs to return the policyholder back to a pre-loss condition.

Scientific Method

1. Collect Data
- Interviews
- Surveillance Tape
- Field Measurements
- Photo Documentation
- Art Mapping
- Circuit Testing
- Artifact Harvesting
- Wire Samples

2. Analyze Data
- Chemical Analysis of Wire Samples
- Lab Exams
- Digital Microscopy
- X-Ray Analysis
- CT Scan Analysis

3. Create Hypothesis
- Exemplar Comparison
- Loss Scene Re-Creation
- Timeline Creation
- Peer Review

4. Test Hypothesis
- Fire Create Event
- Video Analysis
- Rule Out Other Possibilities
- Derive Fact-Based Conclusion

All assignments are meticulously performed through our high quality controls and experienced use of The Scientific Method to stand up to scrutiny or litigation.

Serious Engineering

Technical Partnership

Amset delivers a technical partnership that helps streamline your claims process and increase satisfaction for you, your customer and your company. It’s our priority.

Electrical and Mechanical

Amset’s extensively trained engineers routinely address a complex array of electrical and mechanical loss scenarios such as:
- Commercial/Residential Fires
- Equipment Breakdowns
- Natural Disasters
- Lightning Strikes
- Power Surge Damage
- Product Defects
- Human Error

By conducting failure investigations, performing laboratory examinations, and documenting in the results in a thorough and understandable report, we supply the insurance professionals with the facts and information required to establish the technical and financial issues.

Fire/Explosion Origin & Cause

Amset has conducted hundreds of origin & cause investigations, as both a product representative, or lead investigator of the fire source. As Certified Fire and Explosion Investigation Consultants (CFEs) through the National Association of Fire Investigators (NAFI), Amset engineers perform two functions at once — locate the origin of a fire and determine what factors made the fire hazardous. Loss scenes do not prevent us from performing origin & cause investigation, because Amset engineers are Class-III Asbestos Certified — offering our clients peace of mind knowing a contaminated fire scene is being processed safely and in accordance with state and federal regulations.

Vehicle Fire Investigation

During vehicle fire investigations, Amset experts delve into the history of a vehicle to discover valuable clues to the origin & cause of a fire or explosion. In addition to being detailed electrical and mechanical engineers, Amset investigators are Certified Vehicle Fire Investigators (CVFI) through the National Association of Fire Investigators (NAFI). The dual certification allows our engineers to locate the origin of the fire, and also investigate the cause at the component level to identify a laboratory setting.

Mechanical Analysis of Wipe Samples

- Chemical Analysis
- Lab Exams
- Digital Microscopy
- X-Ray Analysis
- CT Scan Analysis

- Rule Out Other Possibilities
- Derive Fact-Based Conclusion

All examinations are digitally recorded and the master recording is archived on an off-site location for security purposes.

Expert Witness Testimony. The resolution of an insurance claim can become contentious. Amset’s engineers document their work meticulously with the facts and information required to establish the technical and financial issues, and has arbitration and mediation hearing experience.

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Industries
- Automotive
- Commercial/Residential
- Farming
- Manufacturing
- Medical/Healthcare
- Municipalities
- Power
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Equipment and Machinery
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- Generators
- HVAC Systems
- Injection Molding
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- Machinery
- Motors
- Ovens (Industrial)
- Piping Systems
- Printing Presses
- Pumps (Industrial, Municipal)
- Sewing Machinery (Industrial)
- Sprinkler Systems
- Switchgear
- Tooling
- Transformers

Vehicular
- Automobiles
- Buses
- Campers
- Earth Moving
- Farm Tractors
- Golf Carts
- Mobile Homes
- Recreational Vehicles
- Semi-Tractor
- Snowmobiles
- Specialty Vehicles
- Hospitality Trailers
- Trucks
- Well Drilling

Certifications and Training
- National Association of Fire Investigators (NAFI)
- Certified Fire and Explosion Investigators
- Class II-A Asbestos Certified
- Asbestos contaminated evidence handling
- Asbestos mandated OSHA requirements
- Personal Protection Equipment (PPE) requirements
- Hazardous material chain of custody procedures
- Proper storage and handling of asbestos contaminated artifacts
- Hazardous material disposal requirements

Subrogation Cases
With more than 50 years of combined experience in hands-on scene investigations, Amset performs a vital role in assisting clients with subrogation cases. All of Amset’s engineers are educated in the subrogation process — scene examinations are suspended, and involved parties are put on notice once a potential situation is identified. Our engineers are also adept at providing expert testimony in the event of litigation.

Technicians
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- Fire Scene Dig-outs
- Evidence Collection
- Evidence Handling
- Transportation of Evidence
- Exemplar Product Research
- Laboratory Setup

Amset, Inc. is a licensed private detective agency in Illinois (117.001528) and Michigan (3701206545). Licensing in Indiana and Wisconsin is pending.

The Amset Experience
Forensic Engineering and Technical Consulting You Can Trust

Here at Amset, we believe in and are dedicated to serving the property casualty insurance industry with the meticulous and scientific dissemination of facts. Utilizing our specialized quality control processes and scientific methods, our degreed and certified forensic engineers and technical consultants deliver trust and confidence to claim resolution. We earn our clients’ trust and confidence because we:
- Understand the subrogation process
- Have a proven track record of success
- Have a team of experts
- Focus on the client’s needs
- Provide quality service

Amset is highly regarded within the industry, leading the forensic engineering/technical consulting field with specialized expertise and outstanding customer service.

No matter how our world changes — whether climate impact, technology advancements, growing human need or scientific discoveries — we anticipate the future requirements of our industry in order to go beyond our clients’ expectations. Understanding the need for expeditious settlement and assistance to achieve efficiencies, we become your most trusted partner so you can enjoy the peace of mind you deserve.

Amset Technical Consulting, Inc.
1864 S. Elmhurst Road, Mount Prospect, IL, 60056 | 847-229-1155 | toll free 888-98-AMSET
AmsetInc.com | Facebook.com/AmsetTechnicalConsulting

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Specialization

Certifications and Training
- National Association of Fire Investigators (NAFI)
- Certified Fire and Explosion Investigators
- Class III Asbestos Certified
- Subrogation Cases

Subrogation Cases
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