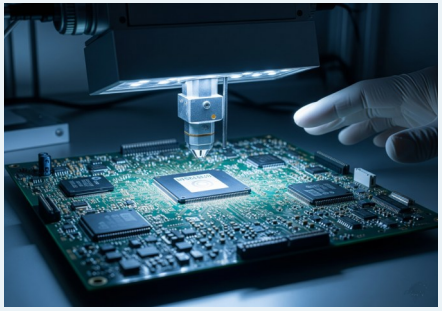
When the Stakes are High, a Standard Opinion Isn't Enough

Mission Critical Forensics (MCF) is the specialized forensic engineering division of Mission Critical Engineers Ltd.

Identifying the initial point of failure is not enough. A standard forensic report may document *what* broke, but it often fails to determine the root cause, uncover systemic vulnerabilities, or provide the strategic insights needed to prevent recurrence.

For your most critical cases—where financial exposure is significant and legal scrutiny is intense—you need more than an opinion. You need a definitive conclusion forged with the discipline of a high-stakes environment.

This is the **MCF Advantage.**



Our Services

While our approach is unique, our expertise covers the full spectrum of forensic investigation:

- Electrical Systems & Equipment Failure
- Mechanical, HVAC & Plumbing Systems
- BESS Fire Investigation
- Fire & Explosion Origin & Cause
- Product & Materials Failure Analysis
- Litigation, Subrogation & Expert Witness Support

Request a Briefing

For your most critical cases, don't settle for a standard approach. Contact us to schedule a briefing on how our mission-critical discipline can deliver the clarity and certainty you require.

Mission Critical Forensics

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MCF
Mission Critical Forensics

Uncovering Truth in Complexity

Trusted Forensic Engineering Partner

Advisory & Litigation Support

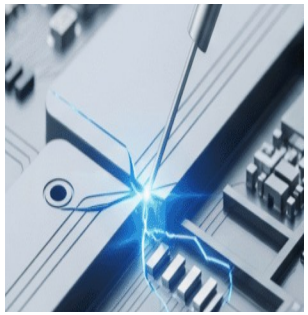
Beyond determining the cause, we provide a range of services to support you after an incident:

- **Post-Incident Advisory:** Assessing damage and supporting restoration and claims processes.
- **Subrogation & Expert Witness:** Supporting claims and legal proceedings with our technical expertise, providing detailed analysis and expert testimony.
- **Specialty Risk Assessment:** Proactively evaluating system vulnerabilities and risks to prevent future incidents.

Forensic Investigation Services

We provide expert origin and cause determination for a wide range of incidents. Our core services include:

- **Electrical Failures:** Analyzing failures across low, medium, and high-voltage systems.
- **Equipment Breakdowns:** Investigating failures in electrical/mechanical equipment, industrial machinery, commercial appliances, and IT equipment.
- **Fires & Explosions:** Determining the origin and cause of fires and explosions, specializes in BESS fire.
- **Materials & Metallurgical Failure:** Investigating failure due to corrosion, fatigue, fracture, and material defects in metals, polymers, and other components.
- **Data Centre Failures:** Investigating technical failures in critical facilities.



Our Discipline is Your Advantage

Our approach was forged in mission-critical environments where failure is not an option. We apply that same systemic rigor to every investigation, providing:

- **Definitive Conclusions:** Data-driven analysis that withstands legal scrutiny and strengthens your claim.
- **Systemic Analysis:** Root-cause investigation that identifies latent vulnerabilities beyond the initial point of failure.
- **Strategic Insight:** Actionable reports that facilitate a smoother claims process and prevent recurrence.

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