Managed independently from our insurance business, AZT specializes in partnering with industrial customers to investigate when the unexpected happens – or could happen. From design stage risk evaluations to post-loss analysis, this multi-disciplinary team provides objective advice for customers worldwide.

SERVICES PROVIDED

Damage prevention and analysis
In addition to damage analysis, AZT’s core competencies include damage prevention. This means offering our customers a comprehensive and holistic service spectrum, from A to Z, all from one source:
- Investigating the damage mechanisms in our materials laboratory
- Checking calculations, design and manufacturing
- Evaluating technical operation data
- Investigating, determining and representing the primary causes of damage
- Establishing corrective measures
- Site visits for quality assurance (checks and measurements)
- Non-destructive checks and targeted vibration analyses for damage prevention

Machine, plant and operational safety
To ensure that the highest standards of technological safety are met, our AZT experts support you through all project phases, no matter how complex. This includes planning, design, manufacturing and assembly, as well as machine and plant operations:
- Construction and assembly surveying
- Machinery and plant monitoring
- Checking and providing advice on condition monitoring systems
- Advising on maintenance and repair
- Assessing the condition of technical facilities
- Assessing lifetime

OUR AREAS OF EXPERTISE
- Industrial Facilities
- Conventional Power Plants
- Renewable Energy

Damage prevention is the result of effective risk management, but this also requires full understanding of the causes of damage – so lessons can be learnt and best practices adjusted. The Allianz Center for Technology (AZT), part of Allianz Global Corporate & Specialty, has over 85 years’ experience in analyzing and researching the most complex industrial accidents and incidents, thereby increasing understanding and reducing risk for all parties.
Technical support and risk consultation

We support you on technical issues to power plants and machinery through targeted and individually tailored analysis.

- Technical assessment of upgrades and prototype developments
- Conceptual and systematic assessment of critical infrastructures
- Analyzing technical performance and advising on operational management
- Assessing construction, including welding technology and selection of materials

Our Team

We field an interdisciplinary team, consisting of experts from a variety of specialist areas, such as mechanical engineering, gear technology, turbo machinery, vibration analysis, chemical and process engineering, material and welding technology and electrical engineering, backed up by our laboratory facilities in Munich, Germany in association with the Organization for Materials Testing (Gesellschaft für Wekstoffprüfung mbH). We also call upon specialist third parties when required on a case by case basis.

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