



Comprehensive Solutions

Zeefax is a comprehensive engineering solutions provider for **Condition Monitoring** and **Predictive Maintenance** systems targeted at the Power, Process and industrial sectors around the world. By forging strategic technical alliances with leading equipment manufacturers from around the globe, we offer a powerful and dependable range of solutions targeted at:

- Improving Machine Reliability and Performance
- Reducing Maintenance costs
- Increasing Plant Safety
- Improving Plant Efficiency
- Simplifying Installation



State-of-the-Art Systems

To remain competitive in today's dynamic marketplace, companies require comprehensive knowledge on which to base their decisions concerning their capital equipment usage. They need reliable and versatile technology-based solutions - and they need them to be up and running fast.

Zeefax recognizes these needs. Our expert engineering team is dedicated to creating state-of-the-art systems, incorporating tried and tested components and sub-systems, providing the security and reliability required within today's increasingly hostile industrial environment. We aim to achieve this as practically and as efficiently as possible for the businesses we serve, and to satisfy the operational and technical requirements of our clients in a cost effective way, yielding a strong return on investment.

For each system, we consult closely with clients, to define the key specifications, strategic objectives and functionality requirements of a system. Project milestones and benefits are identified and are used to track the progress of each project phase - delivering value at every step.



Our quality engineering and in-house software development along with a life-long guarantee of dependable service, demonstrates our total commitment to customer satisfaction!

Condition Monitoring is the process of monitoring and tracking the mechanical parameters of a machine – such as vibration, position or thrust. When trending these parameters, even a small change can be indicative of a developing fault; it is a vital component of a structured **Predictive Maintenance** program. Developing faults can be analyzed and tracked, spare parts can be ordered and maintenance teams can be scheduled well in advance of any predicted event. Timely shutdown and remedial maintenance avoids the consequences of catastrophic component failure, as well as production loss and / or consequential damage.

A structured **Predictive Maintenance** program driven by well managed and well equipped **Condition Monitoring** activities is typically much more cost effective than a time-based maintenance program or a run-to-failure strategy. Targeted condition-based maintenance allows users to run up to the point of the predicted failure, thereby, maximizing the machine's availability for production, and at the same time, limiting the cost of any repair. Furthermore, unnecessary machine overhaul is avoided, together with the associated risks, specifically that of accidentally creating a fault where one did not previously exist.

Zeefax inc.

6049 Keller's Church Road, Pipersville, PA 18947
Tel: +1 215 230 5500
Email: ussales@zeefax.com

Zeefax Limited

320 King Street, London, W6 ORR, ENGLAND
Tel: +44(0) 20 8748 7808
Email: uksales@zeefax.com

Strategic Alliances

Zeefax has formed alliances with some of the world's leading names in **Condition Monitoring** and Data Acquisition. We aim to supply our customers with top quality leading edge systems, engineered to the highest standards, and our experience as **Systems Integrators** enables us to provide cost effective solutions tailored to meet the customer's exact needs.

Zeefax are accredited and are the leading systems integrator for the world class **VM600** Online Vibration Monitoring System, which we have installed and is operational in many of the largest power plants throughout the USA. These systems provide full **turbine supervisory** parameter monitoring, as well as emergency warning and turbine shutdown in the event of impending faults. This fully distributed system also includes an advanced vibration monitoring and analysis toolkit, capable of providing sophisticated machinery diagnostics, for Operators, Engineers and Plant Managers.



Site Audit and Requirements Consultation

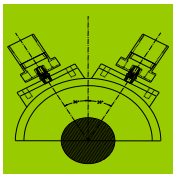
We assist customers in developing a complete system specification and budget, tailored precisely to their individual requirements.



Engineering and Design

Zeefax packages include a full range of relevant documentation including

- Schematic diagrams and CAD drawings
- Wiring and interconnection diagrams
- Cable schedules
- Equipment manuals
- Full software configuration and operation manuals



Project Management

From initial conception to final plant commissioning, our dependable project management staff ensure all hardware and service deliveries meet scheduling and budget constraints.

Software Development

In-house software development expertise for Windows-based applications allows flexibility and dependability in addressing special customer concerns and one-of-a-kind requirements.



Equipment Specification and Procurement

Selecting from the world's leading equipment and instrumentation manufacturers, we offer the convenience and reliability of **one-stop shopping** with full turnkey service, where we procure all equipment related to the project.



Panel and Sub-Assembly Fabrication

We offer design, assembly and quality assurance checking for specialty panel works, enclosures, local junction boxes, consoles, etc. related to the system development.

Pre-Acceptance Staging and Testing

Prior to shipment, systems are pre-assembled and rigorously tested in as close to real-world trial conditions as possible thereby helping to ease installation and guarantee reliable field performance.



Installation, Training and Startup

An entire range of installation and start-up services can be provided including generalized supervision, hiring sub-contractor installation assistance and staff training

As a System Integrator, we can provide cost effective solutions tailored to meet our valued customer's exact needs!

Zeefax inc.

6049 Keller's Church Road, Pipersville, PA 18947
Tel: +1 215 230 5500
Email: ussales@zeefax.com

Zeefax Limited

320 King Street, London, W6 ORR, ENGLAND
Tel: +44(0) 20 8748 7808
Email: uksales@zeefax.com