LET US BE THE GAUGE EXPERTS
So You Don’t Have To Be
Gauges, if used properly, can be effective alarms for your plant's performance, but you don't want to be the experts—and with FAST from WIKA, you don't have to worry about gauges anymore. Our Full Audit Service Team (FAST) will take care of your gauges to help lower costs, make you safer and reduce downtime. And best of all, FAST is the only solution you need—a total care program for the same price you're currently paying for just gauges.

**Full Suite of Services**

<table>
<thead>
<tr>
<th>Instrument Audit</th>
<th>Turnaround Instrument Planning</th>
<th>Instrument Failure Analysis</th>
<th>Instrument Safety Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIKA's Instrument Audit program provides expert analysis and solutions from our FAST engineers, who help you put the right gauge in place for your application to curtail potential safety issues.</td>
<td>Our team performs an Instrument Audit, standardizes what instruments you need and sends the product when you really need them... before your turnaround begins so you can avoid delays.</td>
<td>Send us your failed gauge, and our engineers will conduct a root cause analysis. By understanding the mode of failure, our FAST engineers can recommend a solution to prevent further safety issues.</td>
<td>Our FAST engineers can train your team to look for signs of instrument failure when completing a scheduled evaluation of your instrumentation.</td>
</tr>
</tbody>
</table>

**Introducing the FAST Service Program**

1. **Investigate**  
Find the critical issues facing the plant—the problems you see and the ones you don’t

2. **Diagnose**  
Discover the cause of any current or potential ticking time bombs that pose threats to safety or productivity

3. **Recommend**  
Provide solutions to correct issues before they become costly incidents

4. **Consolidate**  
Audit storeroom to eliminate any redundant or inappropriate SKUs so that you only have the right products for your applications

5. **Compliance**  
Provide sure-fire process to help avoid future issues and make sure products meet your standards

If you need help ensuring your instruments are working properly, FAST will initiate a 5-step process.
FAST INSTRUMENT AUDIT

WIKA’s Instrument Audit provides expert analysis from our FAST engineers, who help you identify the right gauges for your applications and avoid potential safety issues. As part of this service, we can also conduct a Storeroom Instrument Audit to help you eliminate redundant inventory, which can reduce MRO spend.

Lastly, we implement a simple system to ensure the right gauges are always used for each application. By employing this comprehensive approach, WIKA will take the hassle out of dealing with instrumentation while making your plant safer and more cost efficient.

On average, 8 gauges in need of corrective action are within 20 feet of your employees at any given time.*

A Failed or Misapplied Gauge Can Lead To Unsafe Work Environments

* More than 250 WIKA Instrument Audits

PROCESS:
• Discuss the symptoms you are experiencing and determine your expectations
• Find any potential ticking time bombs that pose threats to safety or productivity
• Provide immediate recommendations for corrective actions and standardize on select instruments
• Tag pipes and gauges with SAP numbers (or other indicator) to ensure operators know which gauge to install for each application

DELIVERABLES:
• Final report on current gauge installations, including recommendations on necessary actions with part number list, prices and lead times
• A maintenance plan/follow-up to ensure recommendations are being followed
• Customized compliance solution (e.g., SAP or part # on each gauge, stainless steel tags on each gauge, etc.)

BENEFITS:
• Improve safety by ensuring you have proper gauge for each application to reduce the risk of fire, explosion and leaks
• Reduce the chances of misapplication and guesswork, making your job easier and helping you avoid possible leaks, fugitive emissions or other costly incidents
• Reduce redundant or incorrect inventory and costly inventory carrying costs
• Reduce the time needed to find and replace gauges

Call 855-651-FAST or visit www.WIKA-FAST.com
FAST TURNAROUND INSTRUMENT PLANNING

In today’s competitive environment, plants are being run harder and longer. Scheduled plant shutdowns or turnarounds help companies address equipment issues before they cause costly unplanned downtime.

Our FAST engineers can help streamline and improve the rapid success of your plant turnarounds with our Turnaround Instrument Planning. Our team will perform a full Instrument Audit and standardize what pressure and temperature measurement instruments you need...before your turnaround actually begins.

We can then help you avoid unaffordable delays by sending you the right gauges for your applications just before your turnaround begins.

PROCESS:
• Review project plan to determine scope of work
• Schedule Instrument Audit with project manager
• Conduct Instrument Audit to determine status of gauges; identify any problem gauges and ways to standardize
• Recommend types and number of gauges needed; pre-order parts and deliver to work site when needed
• Provide status reports, document change orders and maintain communication on your needs

DELIVERABLES:
• An action plan that provides part number, IOM and data sheet for each installation to ensure proper documentation of gauges

BENEFITS:
• Help extend period between shutdowns
• Provide longer unit life
• Reduce maintenance costs
• Increase safety and reliability
• Eliminate discovery of worn or broken gauges during start-up
• Update gauge installations with best-in-class technology

40% of incidents occur during the ‘take-off and landing’ periods of a start-up and shutdown, although we operate in the mode less than 5% of the time.*

* Sherman J. Glass Jr., President of Exxon Mobil as quoted in “Plant Reliability and Maintenance,” Oil & Gas IQ., Oct 13, 2010
FAST INSTRUMENT FAILURE ANALYSIS

Sometimes it seems that one particular gauge needs replacing a lot more often than others, and you don’t know why. In order to avoid equipment failures, you must understand the root causes of failure and systematically remove these causes.

If you are experiencing repeated gauge failures, then you should schedule an Instrument Failure Analysis to resolve any safety and reliability issues.

For complete failure analysis, our FAST experts can review the gauge and its installation in your plant. For more in-depth analysis, you can even send the gauge to WIKA and our FAST engineers will diagnose the cause of failure and provide you a complete test report with recommendations.

**DELIVERABLES:**

- Send your problem gauge(s) to our FAST experts, even if it is a competitor’s product, so we can conduct a root cause analysis
- If needed, we will travel to your plant to review the application and installation to conduct a thorough root cause analysis, which helps if the gauge failures are due to other problems in the process
- Provide root cause analysis report and recommendations on how to solve problems. FAST engineer works with you to determine next steps

**BENEFITS:**

- Improve safety and reliability
- Reduce gauge replacement and frequent costs for reordering gauges
- Reduce process downtime
- Reduce fugitive emissions and leaks
- Reduce maintenance costs

25% of instruments in typical processing plants have failed or are about to fail.*

* More than 250 WIKA Instrument Audits

Pressure instruments are potential leak points that need attention.
FAST INSTRUMENT SAFETY TRAINING

The Abnormal Situation Management Consortium found that one of the most common causes of procedural operations failures in process plants was “Failure to detect abnormal conditions.” Our FAST engineers can train your team to look for signs of failure and to understand what is causing it and how it may be serious.

$10 billion per year is lost in U.S. process plants from abnormal situations caused by human error.*

*Abnormal Situations Management Consortium

PROCESS:
- You recognize the need for education and training of your personnel and call FAST
- We discuss the training with you to tailor the presentation to your needs
- We train your team how to apply gauges identify and correct problems, and use gauges as system alarms indicating potentially larger issues

BENEFITS:
- Reduce direct and indirect costs of accidents
- Improve employee productivity
- Avoid operational disruptions and unplanned downtime
- Apply continuous improvement to operations and processes
- Reduce maintenance costs and wrench time
- Increase safety and reliability

DELIVERABLES:
- An easy-to-follow guide on how to spot common gauge failures with proven solutions to eliminate the problem from recurring

Experienced personnel are retiring and not being replaced
When everything is at stake.

Visit www.WIKA-FAST.com, call 855-651-FAST (3278) or email fast@wika.com to learn more.