**Why use Tango™**

We asked Tango™ clients to tell us why they chose to use Tango in their reliability programs. This is what we heard ranked by most popular answers:

**Goal 1: Prevent Equipment from failing in service**

1. Integrate all sources of Reliability Information

The top reason was having all their reliability information in one place. Most plants have information from multiple sources scattered in emails, spreadsheets and computer files. Tango provides integration of all reliability information into one source for all plant users.

1. Better Communication Eliminates the Dropped Balls

Tango provides reporting of multiple technologies into one comprehensive dashboard. At many plants, the inspection work is performed to identify component problems and the component still fails in service. Tango provides a dashboard of open condition problems from all PdM technologies. This dashboard maintains visibility of identified problems through their work order completion and repair validation.

1. Managing Inspection Task and Assessment Results

Tango is great at graphing failure information and inspection history. There are many reliability activities that must be managed before a work order is placed. Tango standardizes many reliability processes across plant teams and across multiple plants in the corporation.

1. Designed for and Managed by Reliability Team

Tango is owned by the reliability team. It can be set up and customized to meet the plant’s individual needs. Without Tango, the only database available is the CMMS which is tightly controlled by IT and not available for customization to reliability information management. Tango™ is “owned” by the reliability team and is designed for their needs.

1. Automated Email Submission

Tango sends direct emails to designated personnel informing them of condition problems and status.

1. Provide Feedback from Maintenance to Reliability Teams

Before Tango, the plant reliability teams never heard back about the results for their findings. Poor feedback on maintenance items is typical in most programs. Reliability teams and contractors report problems and never hear back about results from their reported issues. Tango provides the feedback to reliability teams and expectation of their validation of a successful repair.

1. Management of Inspection Contractors

Tango provides an assessment lift and schedule for contractor data entry. All components require the contractor to report their status, allowing the plant to calculate compliance and to easily view results. Contractors can see past history and receive feedback on repairs completed since their last survey.

1. Automated Reporting

Reliability managers often spend days each month compiling reliability metrics reports and custom reports can be produced to meet specialized needs. Tango can significantly cut reporting time.

1. Tango is Web Based

The web-based design of Tango allows Tango data to be accessed off site. Contract PdM inspections services may enter results and company personnel have access to information from home, repair vendors or off-site facilities.

1. Mobile Visual Inspection Routes

Tango can automate your walk around visual inspection program with standard tablets. Tango is often used for operator rounds, Lube routes and PdM inspections.

1. Manage Oil Sample Analysis Results

Tango’s Oilography feature makes oil data and history much more available. Maintaining oil analysis results reports on any computer for review by plant personnel. Usually this historical and correct information is only available to a few analysts and is unavailable to many reliability team members that need the information.

**Goal 2: Make equipment life longer between overhauls**

Tango provides™ many functions aimed at extending equipment lifecycle. The flowing are top advantages reported by Tango clients:

1. Repair Tracking

Often your best source of root cause of failure information comes from your repair shops. If this information is hidden in emails, it cannot be used to improve plant equipment. Tango provides a professional interface for repair vendor reporting and tracking of repairs. Failure and repair information is available for specific equipment or classes of equipment.

1. Warranty tracking can provide bid payback

If component lifecycles are not tracked, the plant cannot claim warranty repairs. The tracking of warranties in Tango can provide payback of more than 5% of equipment repair or replacement cost.

1. Equipment Lifecyle Management

Managing specific critical components such as motors, breakers, hydraulic cylinders and pumps is difficult or impossible with the plant’s CMMS. Tango allows simple and accessible lifecycle tracking of critical repairable assets.

1. Reliability Metrics

Tango can produce the lifecycle history of any specific piece of equipment and provide MTBF, causes of failure and cost of failure information on individual equipment or classes of equipment.

1. RCFA Case Management

Often the RCFA process at plants is successful at producing root cause of failure information and very weak at maintaining corrective actions required to resolve the root cause problem. Tango’s RCFA management dashboard provides case management from initial failure through completion of all corrective actions.

1. Track critical spares

A critical spare is a component that must be available and fit at all times. Tango allows the tracking of critical spares components.

1. QR code asset tags provide asset information in the field

QR codes can be installed on equipment and plant personnel can retrieve equipment condition, design and repair information on their phone or mobile device.

1. Provides end of life planning for senior assets

Senior assets are critical components that are near the end of their useful life. Often these assets represent a significant impact to the plan’s maintenance budget. Identifying these senior assets and managing their replacement actions must be budgeted and managed.

1. Failure Autopsy

Even if a component is to be scrapped at the end of its lifecycle, it is important to disassemble the component and identify its root causes of failure. Tango allows the entry and aggregation of this failure data.

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