**Asset Health - Risk Management Solution** 

"Catch the Problem Before It Catches You"



### Asset Health - Risk Management Solution The PdM Challenge: Road Blocks

**TrackerRMS** 

What road block lies in your path to a successful PdM program?



#### TrackerRMS Asset Health - Risk Management Solution

#### **The PdM Challenge: Lots of Data**

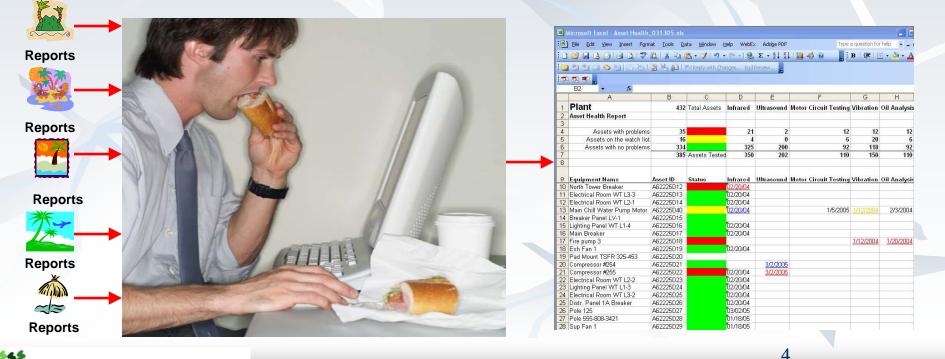
 Each PdM technology gathers lots of data, analyzes the data, and reports on the findings.



**Asset Health - Risk Management Solution** 

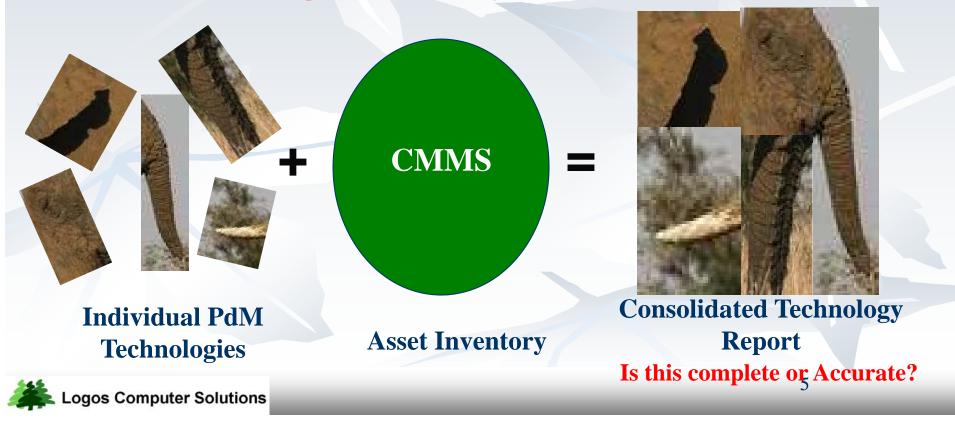
### **The PdM Challenge: Data Integration**

- Database integration is usually done manually to summarize the results from multiple PdM technologies.
- A fixed and unlinked report is then generated and distributed.



# TrackerRMS Asset Health - Risk Management Solution Consistent Inventory Identification with CMMS Is your PdM testing giving you a complete or accurate picture?

Without accurate and consistent inventory Identification the actual Big Picture may be hard to interpret.



**Asset Health - Risk Management Solution** 

#### **Consistent Inventory Identification with CMMS**



#### The Big Picture "A"

Which Result Do You Prefer?



OR

The Big Picture "B"

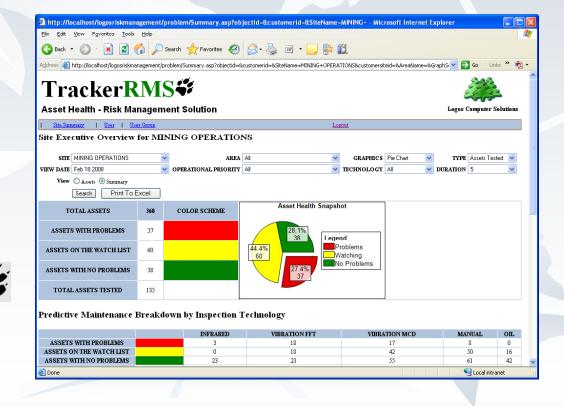


#### **TrackerRMS Asset Health - Risk Management Solution** The PdM Challenge: CMMS Integration Integration with CMMS component data enhances asset tracking across all PdM technologies and can reduce errors and confusion. **Computerized Maintenance Management System (like SAP)** Infrared Ultrasound Vibration Motor Oil Testing ogos Computer Solutions

**Asset Health - Risk Management Solution** 

Manage your Risk by Knowing what is happening to all your equipment:

 Minimize risk to the plant by automatically summarizing all PdM technologies for all assets in one summary overview.

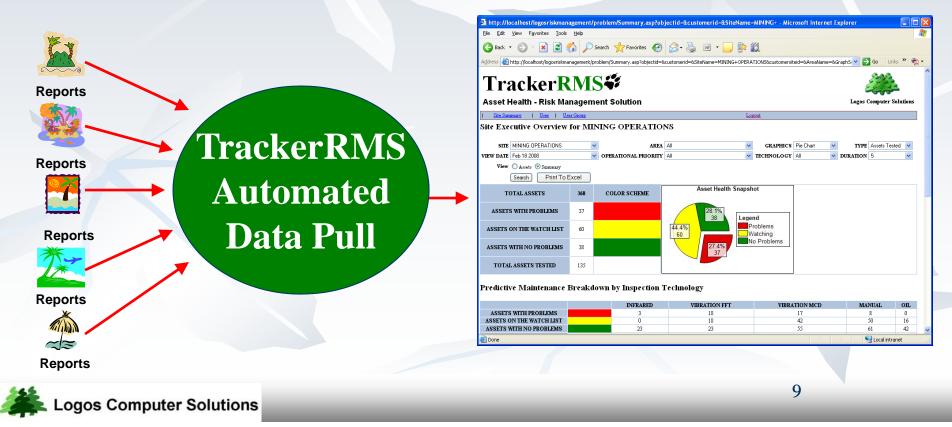


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**Asset Health - Risk Management Solution** 

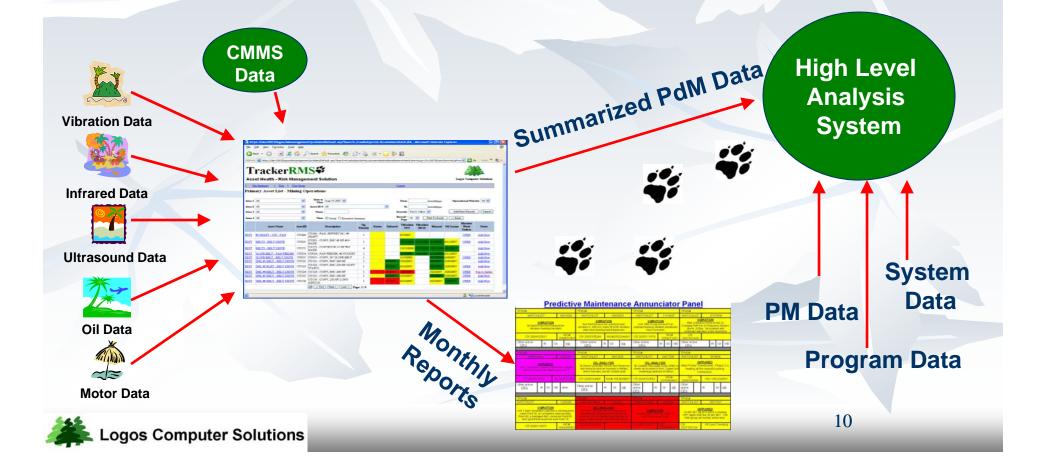
### **Automatic Daily Data Stream Integration**

 Automated Database Integrations are rolled up and summarized with results from multiple PdM technologies.



**Asset Health - Risk Management Solution** 

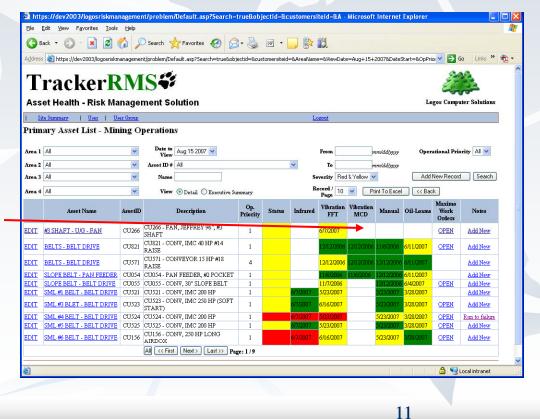
### Rollup PdM Data generates daily or monthly reports and can send data to other high level analysis systems.



**Asset Health - Risk Management Solution** 

#### Manage your Risk by Knowing what is happening to all your equipment:

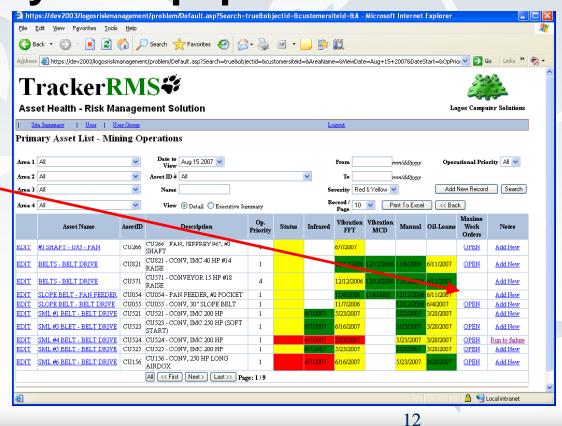
 Optimize your PdM program by viewing all PdM technologies on one screen. Quickly see what is being tested and what is not.



**Asset Health - Risk Management Solution** 

#### Manage your Risk by Knowing what is happening to all your equipment:

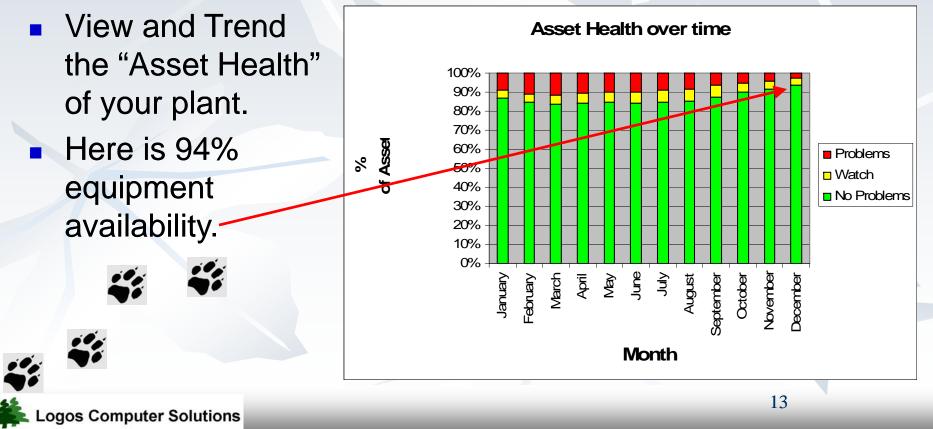
 Do your identified problems have a work order created to correct the problem?



Logos Computer Solutions

#### TrackerRMS Asset Health - Risk Management Solution

#### Manage your Risk by Knowing what is happening to all your equipment:

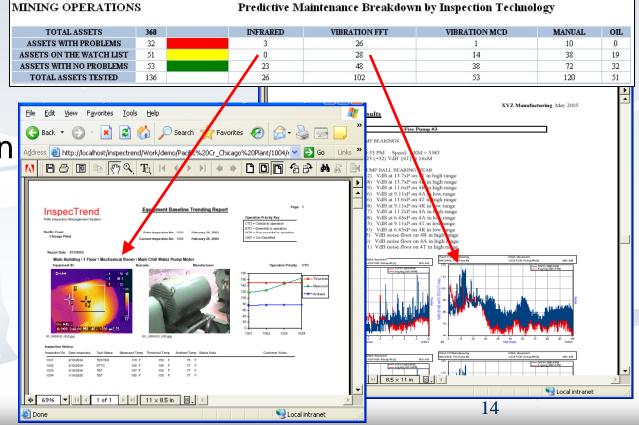


**Asset Health - Risk Management Solution** 

#### Manage your Risk by Knowing what is happening to all your equipment:

 View high level summaries or drill down to actual inspection reports.

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**Asset Health - Risk Management Solution** 

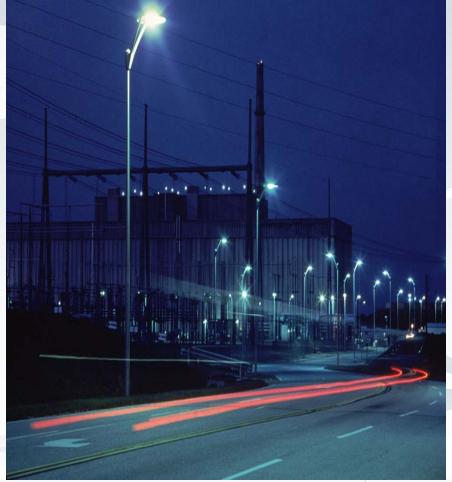
#### View SAP or other CMMS repair status by equipment:

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**Asset Health - Risk Management Solution** 

### **Key Features:**

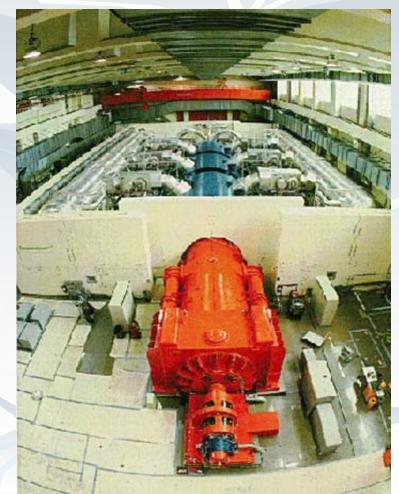
- Central PdM Warehouse
- Daily automated integration of all PdM technologies into one web based control panel.
- Tracking of open, scheduled and closed issues



#### TrackerRMS Asset Health - Risk Management Solution

#### **Key Features:**

- Web Enabled Access
- Scalable, Reliable Microsoft SQL Database
- Attach Notes and Documentation for Assets or Inspection points
- Documentation of corrective actions and equipment status





#### TrackerRMS Asset Health - Risk Management Solution

#### **Key Features:**

- Track Key Performance Indicators (KPI's)
- Inventory Accountability
- Comprehensive PdM Inventory Information at Your Fingertips
- Email Alerting System for Open and Scheduled Issues

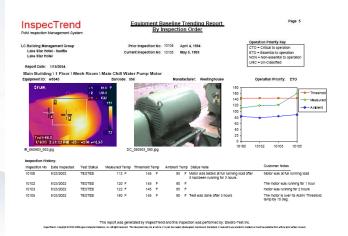


#### **Asset Health - Risk Management Solution**

#### **Benefits:**

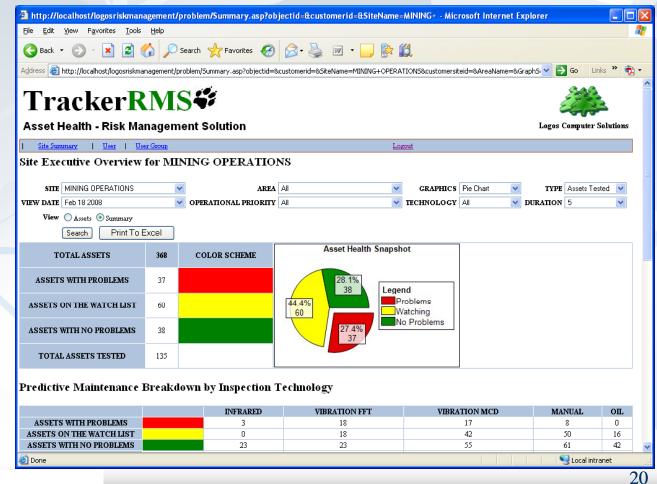
- Unlimited Data-mining capabilities
- Attach documents or reports from any PdM technology.
- CMMS Integration
- Upload data collected and summarized in TrackerRMS to other Analysis systems.





**Asset Health - Risk Management Solution** 

Summary Page with filters by plant, area, priority, or date:





**Asset Health - Risk Management Solution** 

View asset health trends over time: Getting better or worse?

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|   | TOTAL ASSETS TESTED   | 135          |                                 |             |          |               |          |       |               |              |         |            |          |            |              |          |
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Asset Health - Risk Management Solution

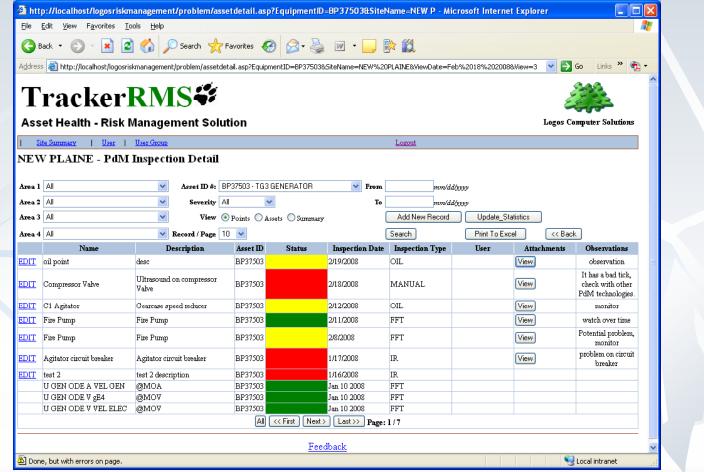
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| EDIT            | <u>#3 SHAFT - U/G - FAN</u>                                | CU266     | CU266 - FAN, JEFFREY 96", #3<br>SHAFT    | 1               |             |            | 6/7/2007           |                  |              |                        | <u>OPEN</u>              | Add New        |
| DIT             | BELTS - BELT DRIVE   | CU821     | CU821 - CONV, IMC 40 HP #14<br>RAISE     | 1               |             |            | 12/12/2006         | 12/12/2006       | 11/6/2006    | <mark>6/11/2007</mark> | <u>OPEN</u>              | Add New        |
| DIT             | BELTS - BELT DRIVE   | CU571     | CU571 - CONVEYOR 15 HP #18<br>RAISE      | 4               |             |            | 12/12/2006         | 12/12/2006       | 12/12/2006   | 6/11/2007              |                          | Add New        |
| EDIT            | SLOPE BELT - PAN FEEDER                                    | CU054     | CU054 - PAN FEEDER, #2 POCKET            | 1               |             |            | 11/6/2006          | 11/6/2006        | 12/12/2006   | 6/11/2007              |                          | Add New        |
| EDIT            | SLOPE BELT - BELT DRIVE                                    |           | CU055 - CONV, 30" SLOPE BELT             | 1               |             |            | 11/7/2006          |                  | 12/12/2006   | 6/4/2007               | <u>OPEN</u>              | Add New        |
| EDIT            | SML #1 BELT - BELT DRIVE                                   | CU521     | CU521 - CONV, IMC 200 HP                 | 1               |             | 6/7/2007   | 5/23/2007          |                  | 5/23/2007    | 3/28/2007              |                          | Add New        |
| EDIT            | SML #3 BLET - BELT DRIVE                                   | CU523     | CU523 - CONV, IMC 250 HP (SOFT<br>START) | 1               |             | 6/7/2007   | 6/16/2007          |                  | 5/23/2007    | 3/28/2007              | <u>OPEN</u>              | Add New        |
| EDIT            | SML #4 BELT - BELT DRIVE                                   |           | CU524 - CONV, IMC 200 HP                 | 1               |             | 6/7/2007   | 5/23/2007          |                  | 5/23/2007    |                        | <u>OPEN</u>              | Run to failure |
| EDIT            | SML #5 BELT - BELT DRIVE                                   | CU525     | CU525 - CONV, IMC 200 HP                 | 1               |             | 6/7/2007   | 5/23/2007          |                  | 5/23/2007    | 3/28/2007              | <u>OPEN</u>              | Add New        |
|                 | SML #6 BELT - BELT DRIVE                                   | CU156     | CU156 - CONV, 250 HP LONG<br>AIRDOX      | 1               |             | 6/7/2007   | 6/16/2007          |                  | 5/23/2007    | 3/28/2007              | <u>OPEN</u>              | Add New        |
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**Asset Health - Risk Management Solution** 

Drill down to individual inspection points by technology and status:





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**Asset Health - Risk Management Solution** 

#### View SAP or other CMMS repair status by equipment:

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| sset ID # CU156   | rk Orders<br>R<br>Work Order  | ecord / Page 10 💉   | Date Work Order  | Date Work Order<br>Closed  | Description<br>cut string from carriage bearing road side.  |                          |
| sset ID # CU156<br>Equipment  | rk Orders<br>R<br>Work Order<br>status                                    | ecord / Page 10 💉<br>Work Order No.   | Date Work Order<br>Opened  | Date Work Order<br>Closed  | -   | 165 DEG REMOVE STRING    |
| sset ID # CU156<br>Equipment<br>CU156                                     | rk Orders<br>R<br>Work Order<br>status<br>COMP                            | ecord / Page 10 No.<br>Work Order No.<br>U1274406                                 | Date Work Order<br>Opened<br>6/15/2007 11:34:34 AM   | Date Work Order<br>Closed<br>6/15/2007 11:41:14 AM   | cut string from carriage bearing road side.   |                          |
| sset ID # CU156<br>Equipment<br>CU156<br>CU156                            | rk Orders<br>R<br>Work Order<br>status<br>COMP<br>WAPPR                   | ecord / Page 10<br>Work Order No.<br>U1274406<br>U1267705                         | Date Work Order<br>Opened<br>6/15/2007 11:34:34 AM<br>6/8/2007 11:16:11 AM   | Date Work Order<br>Closed<br>6/15/2007 11:41:14 AM<br>3/26/2007 8:08:17 AM   | cut string from carriage bearing road side.<br>ROAD SIDE CARRAIGE PILLAR BLOCK BEARING  |                          |
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