Intelligent predictive maintenance
Proven benefits of Artesis system

• 10% reduction in maintenance costs
• 50% increase in departmental productivity
• 25% reduction in quality related customer complaints
• Unplanned downtime cut from 5% to 1%
• Payback in under a year
Artesis simplifies predictive maintenance

From this .... .... to this
Artesis simplifies installation

From this ....

.... to this
Artesis simplifies diagnosis

From this ....

.... to this
Automated set up and operation

Install → Train → Run
Concise, reliable fault diagnosis

![Diagnostic Interface]

- **MECHANICAL PARAMETERS**
  - M1: Contactor/Cabling/Looseness
  - M2: Looseness/Oil/Belt/Vane/Blades
  - M3: Unbalance/Coupling/Misalignment
  - M4: Rotor/Transmission
  - M5: Rotor/Transmission
  - M6: Line Frequency
  - M7: Rotor/Transmission
  - M8: Rotor/Transmission
  - M9: Unbalance/Coupling/Misalignment
  - M10: Bearing Housing
  - M11: Stator/2nd Harmonics
  - M12: Stator/2nd Harmonics

- **Fan MOTOR INFORMATION**
  - Nominal Voltage: 130.00
  - Nominal Current: 0.30000
  - Rotation Speed: 1480
  - MCM Address: 6

- **ELECTRICAL VALUES**
  - CosPhi: 0.56247
  - Active Power: 5.90963
  - Reactive Power: 8.68696
  - V-I: 228.43378
  - I-rms: 15.62959
  - V Imbalance: 0.47354
  - I Imbalance: 1.70829

- **ELECTRICAL PARAMETERS**
  - E1: Electrical Problem
  - E2: Electric Supply Problem
  - E3: Fit Problem

- **HARMONICS (%)**
  - THD: 7.37899
  - 3th: 0.57733
  - 5th: 5.72946
  - 7th: 1.07257
  - 9th: 0.11296
  - 11th: 0.39081

- **MOTOR STATUS**
  - Start Date: 02/18/2006 10:51:49
  - End Date: 02/20/2006 15:00:55

- **Graphical Indicators**
  - Advanced
  - Report
  - Load
  - Close

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[Artesis Logo]
Connects with other systems
What equipment?

- Most equipment driven by 3 phase electric motors
- Generators and alternators
- Especially effective for remote or inaccessible equipment
Artesis summary

- Gives you all the benefits of predictive maintenance with a fraction of the cost and effort of conventional condition monitoring systems
- Simple to install and use
- Automated set up and operation
- Integrates with other systems
- Just gives you the answers
  - Which equipment requires attention?
  - What’s wrong?
  - How soon do I have to act?