



While implementing a predictive maintenance program will cost money on the front end, our experience has been that it will pay for itself (often many times over) within the first year. In some cases, we have diagnosed a fault that allowed early intervention and prevented unplanned downtime; the savings from that one call was enough to pay for our service an additional 10 years.

The numbers below were published by the Federal Energy Management Program with regard to savings through employing vibration analysis and other PDM techniques.

*Return on investment: 10 to 1*  
*Reduction in maintenance costs: 25-35%*  
*Elimination of breakdown: 70-75%*  
*Reduction of downtime: 35-45%*  
*Increase in production: 20-25%*

MDI charges a fee per bearing + expenses. Costs vary due to machinery locations (the more spread out, the higher the cost) but typically are \$3 to \$5 per bearing depending on the quantity.

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