



Genentech, Inc.

In Business For Life

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Our mission is to be the leading biotechnology company, using human genetic information to discover, develop, manufacture and commercialize biotherapeutics that address significant unmet medical needs. We commit ourselves to high standards of integrity in contributing to the best interests of patients, the medical profession, our employees and our communities, and to seeking significant returns to our stockholders, based on the continual pursuit of scientific and operational excellence.

Maintenance Needs

- ◆ Tool to collect data cost effectively
- ◆ One place for all data to be stored
- ◆ Used for Predictive Maintenance
- ◆ Vendor supported technology
- ◆ Low cost means of adding and moving points to monitor.

Current Uses

- ◆ Manual gauges to assist with troubleshooting
- ◆ Magnahelic Gauges to monitor air handler performance
- ◆ Trending capability
- ◆ Integrated with existing data collection systems
- ◆ Monitor points for a while then move what is monitored for troubleshooting

Wireless Magnahelic Reader





Wireless Guage Reader

Benefits

- ◆ Cost effective- ~70% less cost than adding hard wired devices
- ◆ Data normally collected by Technician could be collected electronically. **Reduces reliance on headcount to monitor and collect data.**
- ◆ **Increases the number of data points for trending and troubleshooting. 1 reading per shift vs. 4 readings an hour.**

Future Uses

- ◆ Piloting a device to monitor steam traps- 500+ on site
- ◆ Monitor and trend data from approx. 500 freezers with wireless technology rather than hard wire to Facilities Monitoring System, ~significant savings annually.
- ◆ Develop and implement HEPA program utilizing wireless magnahelic readers to change out HEPA filters based on performance rather than schedule (1 HEPA filter ~ \$1500)
- ◆ Data could be collected by software system to make maintenance decisions automatically