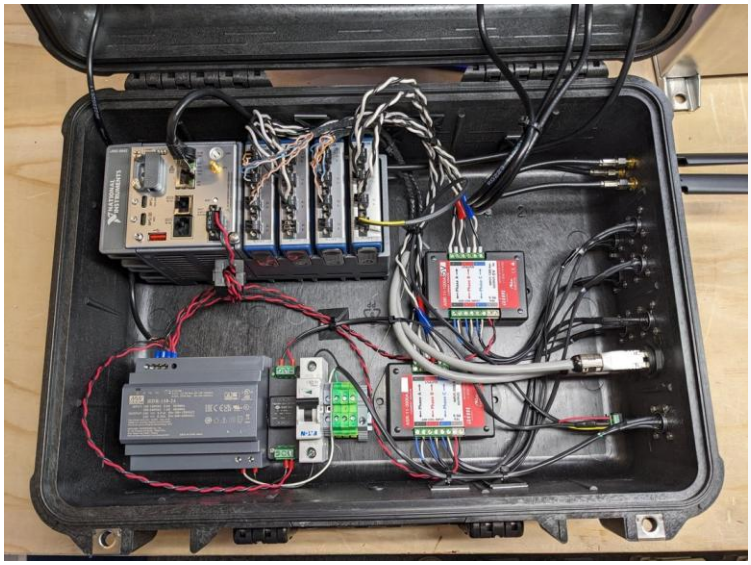

AT A GLANCE

- **Try before you buy:** Run monitoring on one of your assets for three months
- **Validate the value:** See how the software monitors data, triggers alarms, and finds potential failures
- **Start at low cost:** pilot systems are delivered in ruggedized, portable enclosures for fast, cost-effective deployment
- **Any technology:** Wired vibration, wireless, electromagnetic interference (EMI), or electrical signature analysis (ESA), and IR thermography
- **We do the monitoring:** We set up the software, watch the data, and report what we find

The road to a managed reliability program

Strategy | Assessment | Planning | **Implementation** | Improvement

Pilot Monitoring Systems Try monitoring on one of your assets before you commit

A pilot puts our monitoring on one of your assets before you commit to a larger program. The kits are portable, and you can pilot one or buy it. Either way, you decide with evidence from your own equipment.

When does a pilot make sense?

It fits when you want proof on your own equipment before you invest.

- Are you considering monitoring technology you have not used before?
- Do you need evidence that monitoring can find real issues on your assets?
- Do you need results to build the case for a larger deployment?
- Are you unsure which monitoring technology fits a problem asset?

How the pilot works

STEP 1
Pick the technology
We apply any of our monitoring technologies to one of your assets.
KICKOFF

STEP 2
Set up the kit
We configure the kit and set up the InsightCM software.
SETUP

STEP 3
Monitor for 3 months
We monitor the data and look for potential issues.
3 MONTHS

STEP 4
Review the findings
We deliver a report with findings and recommendations.
REPORT

Standard evaluation kits

Kit	What is in it
Wired Vibration	NI cRIO-9036 controller and 8 NI-9232 cards, accepting up to 24 signal inputs. (Vibration sensors are not included).
Wireless Monitoring	Erbessd EPH-GWG2 gateway with 4 wireless vibration sensors, 1 wireless thermocouple module, and 1 wireless infrared camera as standard. Other sensor configurations on request.
Infrared (IR) Thermography	NI cRIO-9055 controller, 2 Optris IR cameras, and 2 tripods.
Electromagnetic Interference (EMI)	NI cRIO-9055 controller and 2 or 3 NI-9770 cards, typically designed for 2 or 3 high-frequency current transformer (HFCT) connections.
Electrical Signature Analysis (ESA)	A portable ESA system built for your motor, also available for purchase.

Every kit ships in a Pelican case, designed to be watertight when closed, and connects to a local InsightCM server or by cellular to a cloud server. We also build custom kits for specific projects.

What we need from you

- Give us a way to connect the kit: your local InsightCM server, or cellular connection to a cloud server.
- For the wired vibration kit, provide vibration sensors. They are not included.
- Name the contacts who will review the findings with us.

The Cutsforth Reliability Services Team

Consulting Services	System Implementation	Monitoring & Diagnostic Services

Cutsforth is one of the few companies that combines deep reliability consulting experience with multi-physics condition monitoring system expertise. Our reliability services team has decades of hands-on, plant-floor experience in equipment reliability and asset performance management. We help industrial organizations define, plan, and implement ER and AM programs, establish M&D Centers, and apply continuous online monitoring.

CONSULTING AND PROGRAM SERVICES

- ER and AM program definition, planning, and implementation
- Asset criticality analysis (ACA), sensor gap analysis, and master equipment list foundational data services
- M&D Center assessment, set-up, and deployment

TECHNOLOGY AND MONITORING

- InsightCM condition monitoring software
- Multi-physics monitoring systems, including vibration, electrical signature analysis, electromagnetic interference monitoring, thermography, and more
- Monitoring and Diagnostic services with industry-veteran subject-matter experts in condition monitoring

Start with a scoping conversation

We start with your goals, then scope a pilot on one of your assets.

Request a Pilot Program scoping conversation

Contact your Cutsforth representative or visit cutsforth.com.