CUTSFORTH
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M&D Center Implementation Plan Data Sheet



AT A GLANCE

- **One plan for your Monitoring and Diagnostics (M&D) Center:** Organization, process, technology, budget, and metrics in a single document
- **Phased deployment:** A task list and Gantt chart your team can execute
- **Built with your people:** A one-day planning workshop and two to three days of stakeholder interviews
- **Measurable:** Performance metrics and a scorecard, from anomaly response time to avoided cost
- **Led by Cutsforth reliability experts:** 600+ combined years of reliability experience

The road to a managed reliability program

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

M&D Center Implementation Plan Plans the people, process, and technology of your M&D Center

An M&D Center centralizes condition monitoring. It watches the historian data from your plants, applies Advanced Pattern Recognition (APR) and thermal performance monitoring to detect small changes, and notifies plant personnel. The implementation plan defines the people, processes, technology, and budget to establish a new Center or expand an existing one and makes the business case for doing it.

When does an M&D Center Implementation Plan make sense?

It fits when you are ready to establish or expand a Center and need a plan your leadership can approve.

- Are you planning to establish an M&D Center, or expand one you already have?
- Do you need a business case and budget before leadership will approve a Center?
- Is it unclear who staffs the Center, who owns anomaly follow-up, and how findings reach plant teams?
- Are your historian, APR software, and reporting tools not yet connected into a workable design?
- Do you need a phased deployment plan across units or sites?
- Do you need metrics that show the Center is paying for itself?

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What you receive

One written plan with nine sections:

Plan section	What it covers
Introduction and business case	Objectives, value drivers, and the avoided-cost basis
Organization	Analysts, APR modelers, steering committee, sponsorship, and facilities
Governing documents	M&D process guideline, anomaly communication, and case management
Information technology	Historian, APR software, component health reporting, and data governance
Task list and Gantt chart	Phased deployment
Budget and resources	Labor, software, and hardware
Performance metrics	Model coverage, anomaly response time, open-anomaly aging, avoided cost, and a scorecard
Change management	Communication, training, risks, and barriers
COLM sensor roadmap	A path to add continuous online monitoring (COLM) sensors, linked to a sensor gap analysis

How we build the plan

Plans typically take 6–10 weeks. We combine the workshop and interviews with your data, so the plan reflects how your organization works.

STEP 1
Review your data
We review the data and documents you send before we arrive.
REMOTE

STEP 2
Planning workshop
We run a one-day workshop to agree goals, scope, and the Center you want.
ON-SITE, 1 DAY

STEP 3
Stakeholder interviews
We interview the people who will run, use, and support the Center.
ON-SITE, 2–3 DAYS

STEP 4
Build and review the plan
We build the plan in remote sessions with you and review the draft together.
REMOTE

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What we need from you

- Send the requested data at least one week before the site visit.
- Provide read-only remote access to your APR and thermal performance software, if you have it.
- Make your analysts, operations, maintenance, and IT leads available for the workshop and interviews.
- Consolidate your comments into one review cycle on the draft plan.

What comes next

The plan sets the direction. We can also help you carry it out:

- **M&D Center assessment:** benchmark your people, processes, and technology against Electric Power Research Institute (EPRI) good practices
- **APR model development and quality review:** build, validate, and tune models for your assets
- **Analyst coaching:** move anomaly reviews from Cutsforth-led to analyst-led
- **M&D process guideline:** classify, investigate, communicate, and close anomalies

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. Our approach is consistent with ISO 55000 and with the good-practice ER process in INPO AP-913 and EPRI guidance.

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 the plan to your plants and your Center.

Request an M&D Center Implementation Plan scoping conversation

Contact your Cutsforth representative or visit cutsforth.com.