Is Digital Permitting SAFE?

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Prometheus Group

- Founded in 1998
- Headquartered in Raleigh, NC, USA
- Asset Management Experts
- Integrated and Intuitive Software
- Trusted by the largest asset-intensive companies in the world

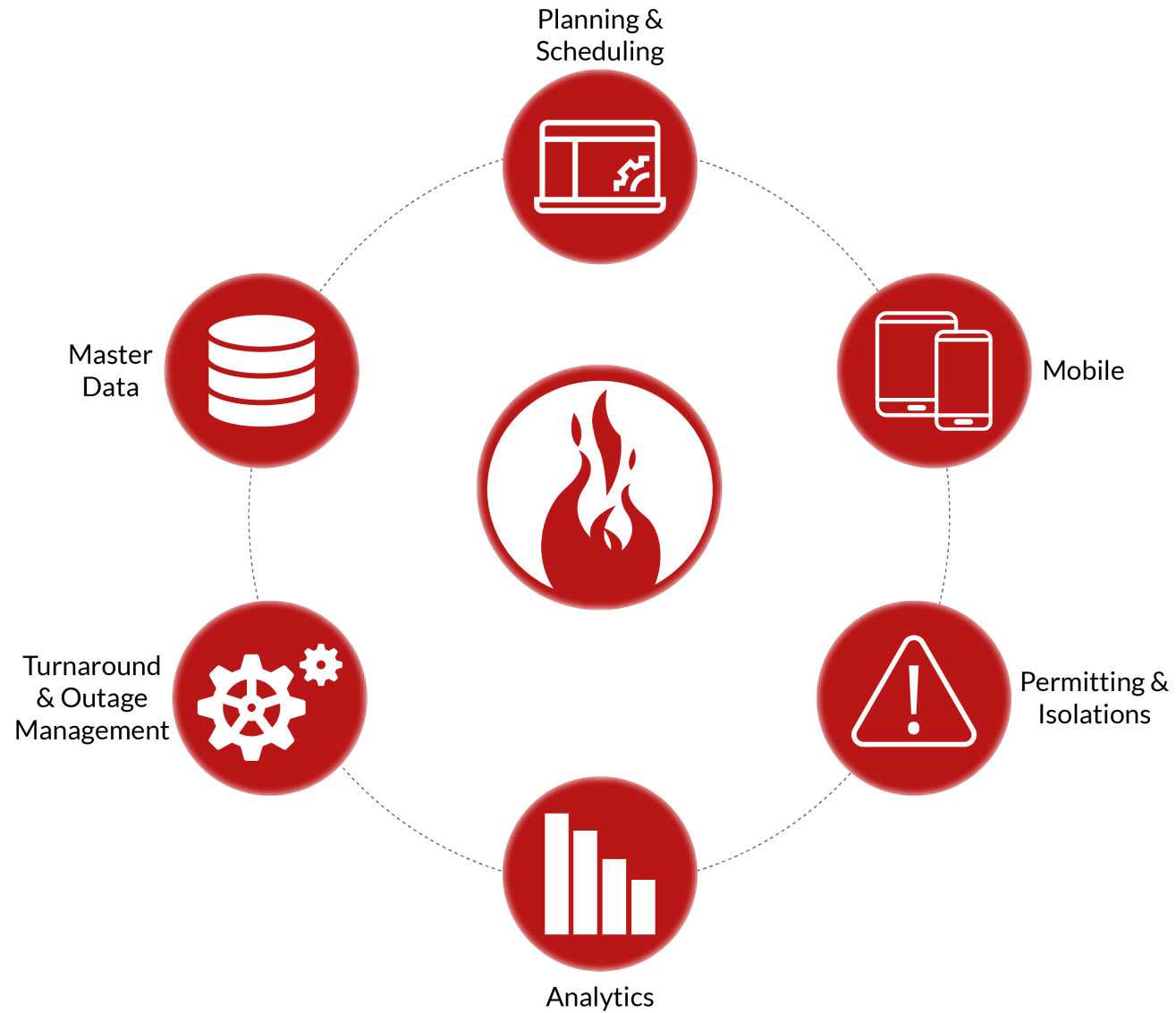| TOP 6	TOP 6	TOP 6	TOP 6	TOP 6
Oil & Gas	Chemical	Pulp & Paper	Mining & Metals	Utilities

SAP Partner

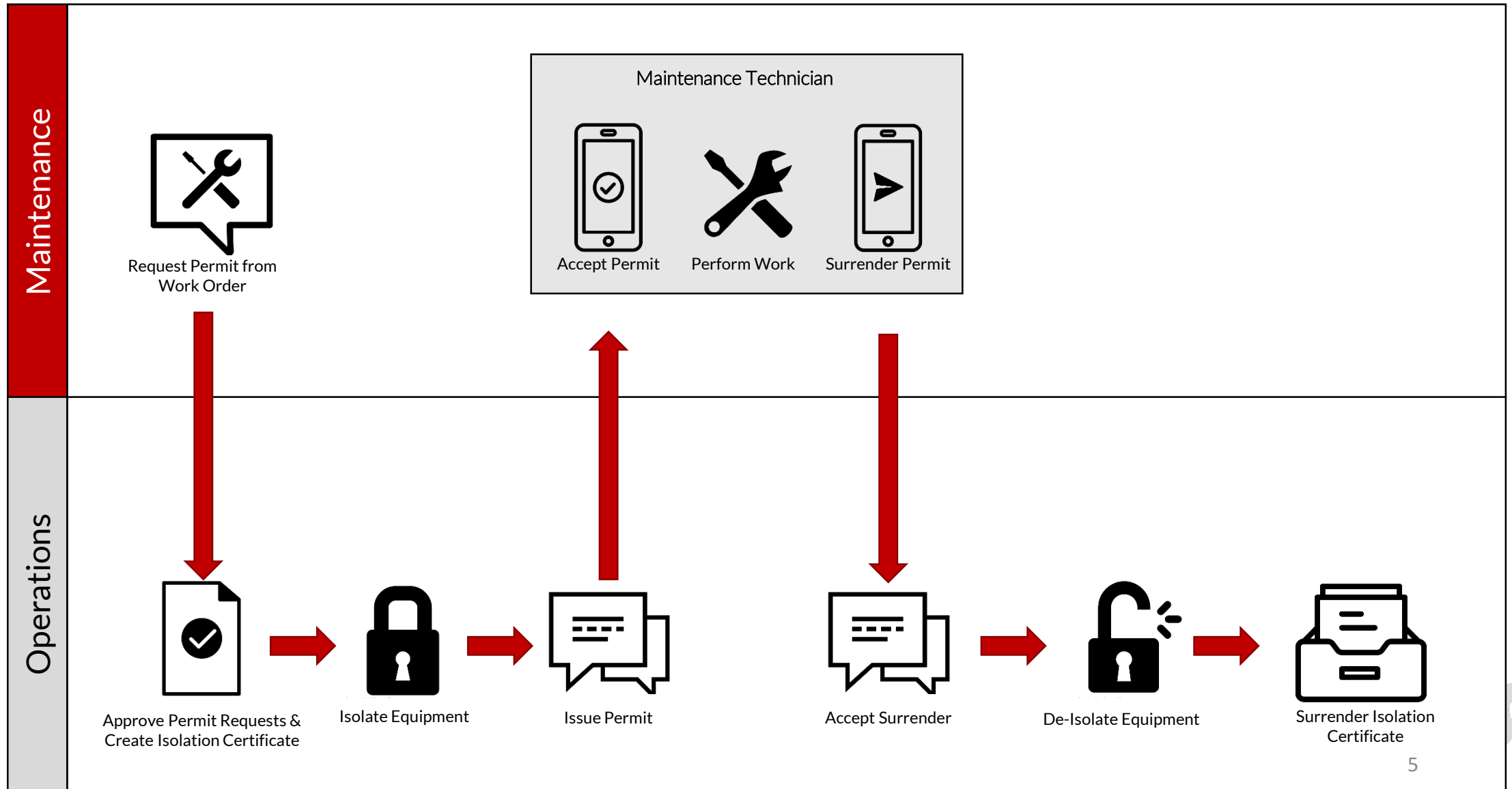IBM Business Partner

ORACLE Gold Partner

Key Customers

Prometheus Platform

Prometheus ePAS Workflow

How Can Risk Assessments Affect Permitting?

- Risk assessments are consistently involved with work permitting

- Certain jobs always require a risk assessment in addition to a work permit

- Risk assessments change how the permit should be written

- Review of risk assessments should affect future permits

- Consistency is key, and difficult to achieve on paper

Approvals, Hand-offs and Expansion

- Permits have specific signatory requirements for authorization

- Permits change hands from writers to approvers to workers and back again

- Permits may require expansion once a job begins

- Matrices, training, and discipline controls work authorization processes on paper

Hand-offs and Revisions with Digital Permitting

- Approvals are based on content
- Hand-offs are digitally routed
- Users are alerted when needed
- Electronic signatures are validated with training
- Mobility allows for field expansion

Energy Isolations and LOTO Processes

Example of a bad lockout/tagout

- Where are they stored?
- Who manages them?
- What happens when the plant changes?
- What interlocks are in place with work permitting?

How Does Feedback Change Digitally?

Paper

- Work starts via email, worker physically requesting
- Permit is returned and filed away
- Manual searches to recall documents
- Feedback to schedule is verbal

Digital

- Work starts from integration
- Permit is returned and has questions to improve safety and system
- Quick searches to recall information
- Feedback to schedule is integrated

Digital Work Permitting is Safer and More Effective

- Improved permit tracking
- Risk-based permit building
- Simplified handoffs
- More Efficient approvals
- Improved LOTO management
- Reduction of guess-work
- Integrated safe system of work

Questions?