Shutdown, Turnaround and Outage Planning:
Do You Feel Confident?

Easton Snyder– Functional Consultant

Derek Shickel – Sales Engineer Operations Manager

PROMETHEUS GROUP

- Founded in 1998
- Headquartered in Raleigh, NC, USA
- 11 Global Offices
- Integrated and Intuitive Software
- Partnerships with industry leading companies

TOP 6
Oil & Gas

TOP 6
Chemical

TOP 6
Pulp & Paper

TOP 6
Mining & Metals

TOP 6
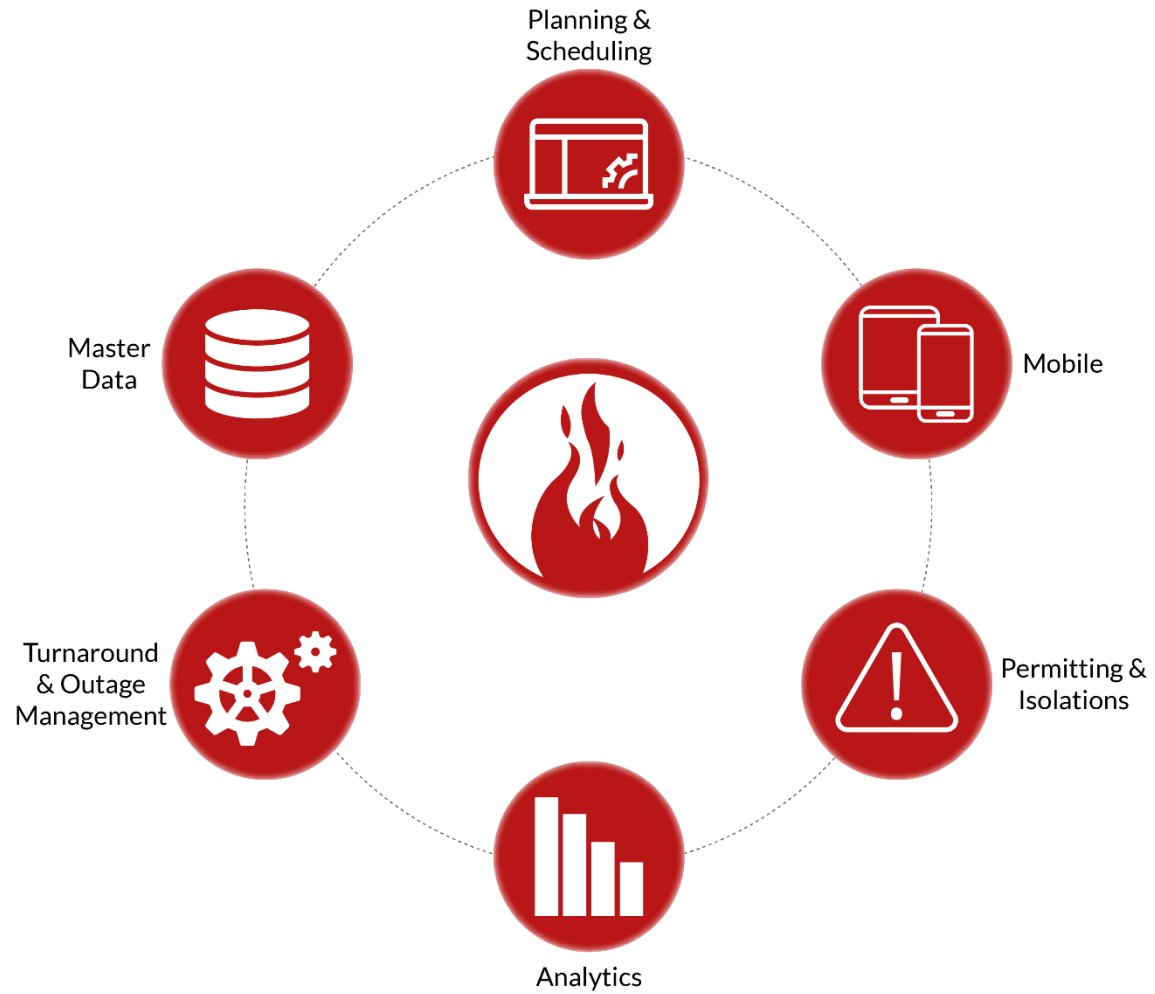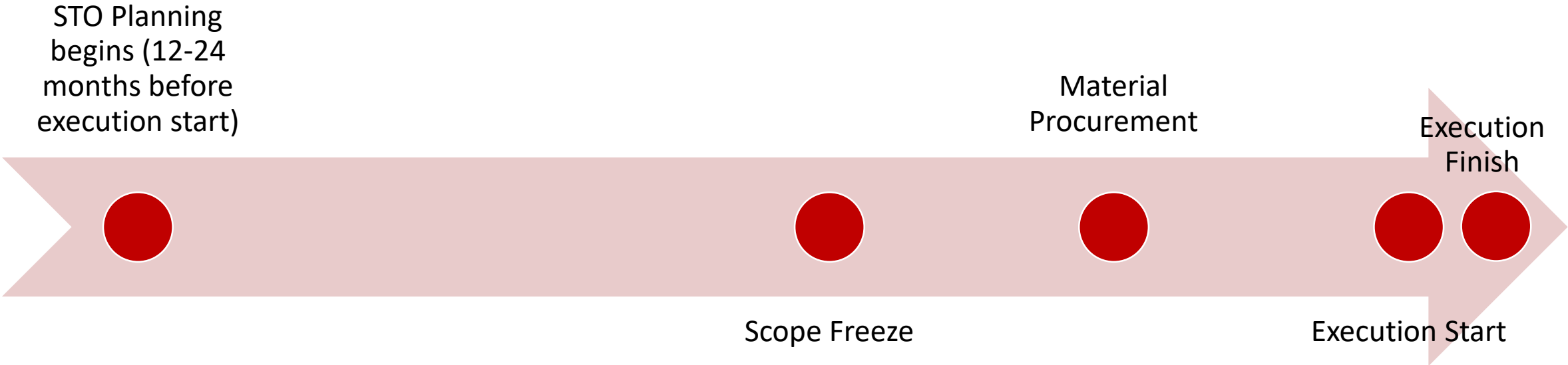**Utilities**

SAP® Certified
Integration with SAP® S/4HANA

SAP Partner

ORACLE® Gold Partner

IBM Business Partner

Key Customers

Prometheus Platform

STO Timeline

STO Planning begins (12-24 months before execution start)

Material Procurement

Execution Finish
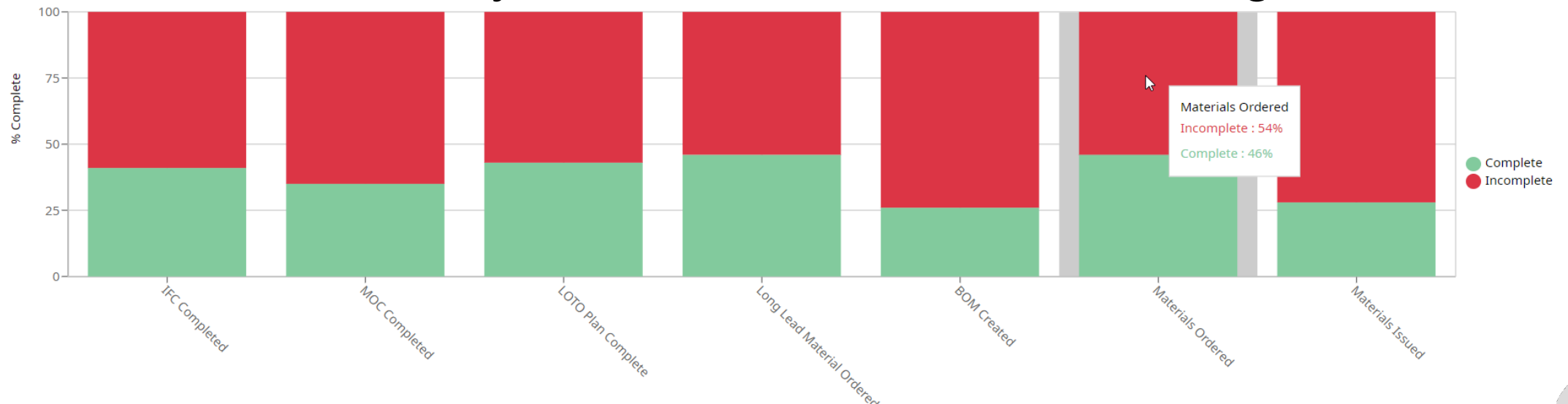
Scope Freeze

Execution Start

1. Building the scope of your STO

- Scope building needs to be standardized
  - Is scope creation coming from your CMMS?
  - Are contractors providing fixed scope proposals?
- STO scope needs to have the right information including justification and consequence
- Manage scope growth and discovered work during outage execution
- All necessary parties can access scope creation process
  - Challenges with SAP or Maximo access for contractors
- STO scope needs to have the right approval process

2. Track Outage Planning Progress

- Little quantifiable data for Turnaround readiness
  - "Gut feeling" vs. data-driven
  - "I think we are ready" vs. "I know we are ready"
- Management by exception
- Limited Functionality in CMMS/EAM and scheduling solutions

3. Procure and Track Materials

- Many companies use Primavera to schedule STO's
  - Primavera is not your primary database for materials
- SAP, Maximo or CMMS access for short-term contractors
- No approval process in ERP
- Outage Material Planning is complicated
  - High-dollar parts
  - Long-lead specialty items
- Can plan without access to ERP
- Ten's of thousands of materials for a STO
- Material Availability and Coordination on the web

4. Manage contractor planned and executed work

- Majority of STO work is planned/executed by third-party contractors
  - Contractors need to be able to confirm how much work pre-shutdown work they have completed
- Limited options to restrict contractor access to corporate info
  - Material prices
  - Labor rates

- Management of contractor executed work (Work Packages)

Easton Snyder– Functional Consultant

Derek Shickel – Sales Engineer Operations Manager