Traditional approach to safety is inefficient, and documentation is unusable post-design

5–7 WORK GROUPS
Average number of teams from PHA to logic, internal staff, consultants and EPCs

5+ DATA SOURCES
Disparate reports and tools supporting safety lifecycle

$150 PER HOUR
Conservative blended hourly rates for process safety engineering

ROLES INTEGRAL TO THE PROCESS SAFETY LIFECYCLE
- Management
- Process Safety Engineers
- Functional Safety Engineers
- Instrument & Controls
- Automation and O&M

INFORMATION GATHERING, DELIVERABLES, REPORTS, AND TOOLS
- PHA & LOPA Reports
- SIL Verification
- Safety Requirements Specification
- SIS Cause & Effects
- Functional Test Plans

Potential when leveraging a digitized process safety lifecycle during capital project execution

WHAT IS YOUR COPY FACTOR TO UNLOCK SAVING?

65%
Typical copy factor between equipment and SIFs

$2.7 MILLION
Savings in functional safety engineering services alone

Lifecycle Enabled
Data generated in design is ready to be used in operations to validate assumptions and make risk-based business decisions

Reduce
Drive
Ensure

Sources: Polling customer base globally, HPS experience and 2018 press releases
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