



# STAR<sup>TM</sup>

Safety Training Awareness Reliability

## Partner Program



**WECHSLER**  
TECHNOLOGIES

# Star Partner Program

## Overview



The STAR Partner Program was designed by engineers to offer a comprehensive and ongoing option to plant partners who require continued training and resources for optimization and risk management. The 3-level approach allows clients to customize the program based on individual needs ranging from basic to advanced training, assessment and management.

## Program Objectives

### Actively Managing Risks

- Third party risk identification
- Test protection systems periodically
- Report inadequate test results or occurrences
- Test your thermal oil on a regular basis to allow “real time” intervention
- Implement findings to Optimize and Protect your system
- Continuous training of your staff in emergency response and system knowledge

### Achieve Clarity of Thermal Oil Risk Management;

- Increase Personnel Safety
- Reduce Business Risk Exposure
- Manage Insurance Premiums

### Compliance with Regulations, Standards and Best Practices (FM, NFPA, others)

### Achieve Consistency Amongst Mills for Company Wide Implementation

### Maintain an Effective Continuous Improvement Plan

### Maximize Staff Competence

### Establish ownership (Mill Champion)

- Previous Inspection Reports
- O&M Manuals

## Program Levels



*Silver Partner*



*Gold Partner*



*Platinum Partner*

# Star Partner Program

*Silver Partner*



## Silver Partner Benefits

### Risk Identification (The "Audit") Design Review

- P&ID's
- Previous Inspection Reports

### System Inspection

- Control Room
- Thermal oil heater(s)
- Safety valves
- Thermal Oil pumps
- Expansion tank, thermal buffer, drain tank
- Piping systems and Instrumentation
- Any other observed potential hazards

### Operational Review

- Interview operators
- Review operator logs
- Review SOP's and emergency procedures

### Thermal Oil Safety Interlock Review

- Interlock design reviewed for compliance
- Interlock function reviewed for safety
- Setpoints reviewed for correctness

### Fire Protection System Review

- Design review and visual inspection
- Review of written fire response procedures

### Recommended GAP Action Matrix

- Executive Summary of findings
- Detailed Review of findings
- Action plan

### Thermal Oil Fundamentals Training

- Thermal oil heating system design
- Safe Operation Parameters

### Risk Awareness Training

- What can go wrong
- How to mitigate the risk

### Thermal Oil Management

- 4 Oil Tests per year
- Oil test reports
- Oil condition trend analysis
- Guidance on how to improve thermal oil condition

Mill visit followed by video conference review

## Silver Partner Schedule of Activities

### Site Visit #1 Activities



# Star Partner Program

Gold Partner



## Gold Partner Benefits

### On-site Progress Review

- Second Mill visit with follow up via video conference

### GAP Action Matrix

- Review progress on GAP Action Matrix
- Revise priorities

### SOP GAP Analysis

- Review of Standard Operating Procedures
- Identify operational improvements

### Hazard Mitigation Plan and Training

- Identify hazards that could cause potential discharges
- Training on the safety risk of a discharge for fire and explosion
- Identify environmental risks
- Propose solutions to reduce the risk of oil leaks

### Operational Improvement Plan (OIP)

- Formalized OIP based on GAP Action Matrix and SOP

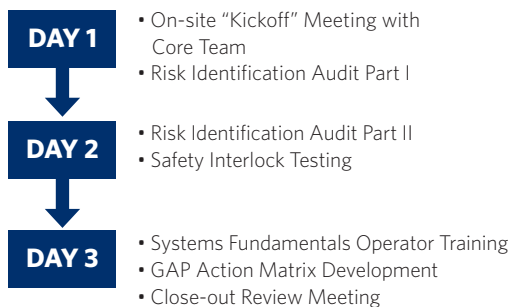
### Advanced Fundamentals Training

- Combustion fundamentals

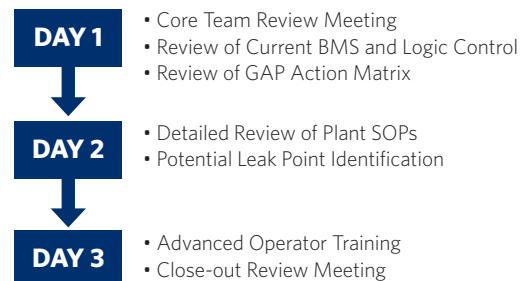


## Gold Partner Schedule of Activities

### Site Visit #1 Activities



### Site Visit #2 Activities





# Star Partner Program

Platinum Partner



## Platinum Partner Benefits

### Formal Continuous Improvement Plan

- GAP Action Matrix
- Hazard Mitigation Plan
- Operational Improvement Plan

### Plant Specific Training Manual

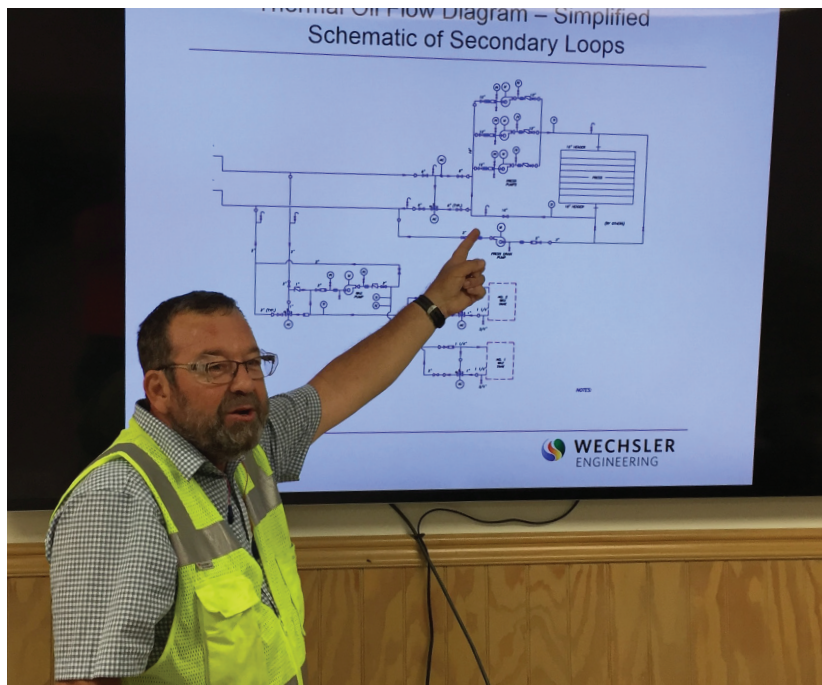
- Provide a custom Plant specific training manual

### Operator Assessment and Certification

- Provide Plant Specific training
- Improve Operator knowledge
- Quantify and assess training needs
- Certify the operator knowledge

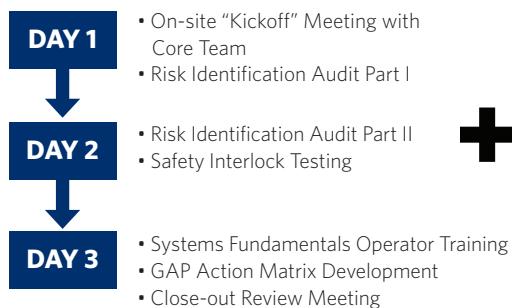
### Annual Reporting

- Annual report detailing mill progress, process improvement, and operator training

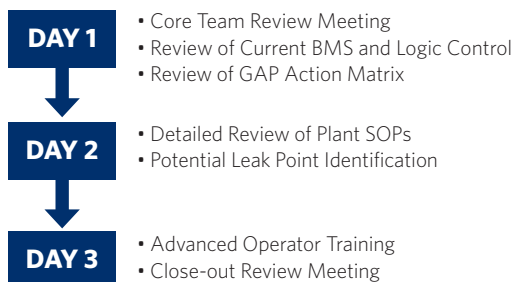


## Platinum Partner Schedule of Activities

### Site Visit #1 Activities



### Site Visit #2 Activities



- Continuous Process Improvement Plan
- Site-Specific Training Plan and Manual
- Operator Assessment and Certification
- Annual Reporting