

# Refining

Maximising Asset Value

# REFINING APPROACH – MAXIMISING ASSET VALUE



Performance & Capability Consultants

## From TAR Efficiency to Capital Performance

### +2-5%

#### Capacity Utilisation

Strategic throughput optimization and constraint management to maximize refinery production capacity.

### +5-10%

#### Critical Equipment OEE

Focused improvement of Overall Equipment Effectiveness for high-value refinery assets through enhanced reliability strategies.

### 90

#### Ninety Days to Results

Measurable asset performance improvements within 3 months through structured implementation and capability building.

#### Refinery Value Maximization

Comprehensive approach to maximize refinery margin through integrated operations, maintenance and reliability excellence.



## Detailed TAR Planning & Preparation

Comprehensive preparation strategies specifically designed for complex refining environments. Includes critical path optimization, resource planning, and full scope management tailored to refining unit parameters.



## Improved Core Meeting Cadence (CMC)

Specialized CMC framework adapted for refinery shutdowns with elevated communication protocols and accelerated decision-making processes that maximize alignment across functional teams.



## Downtime Minimization Strategies

Systematic approaches to reduce critical path duration while maximizing parallel work execution. Includes short-interval control, predictive variance management, and targeted intervention strategies.



## Robust Safety & Compliance Integration

Industry-leading protocols that ensure complete regulatory compliance without compromising schedule performance. Enhanced permit systems, simultaneous operations management, and refinery-specific risk mitigation.



## Post-Shutdown Analysis & Improvement

Real-time knowledge capture and performance analysis that drives continuous improvement across refining operations and TAR events.

## **Margin Optimization & Process Economics**

Strategic planning with advanced feedstock optimization models, real-time yield monitoring systems, and systematic implementation of process economics reviews integrated with operational decision-making.

## **Capacity Utilization & Debottlenecking**

Unlocking throughput by systematic constraint identification through OEE analytics, cross-functional team-based troubleshooting, and agile deployment methodologies for rapid implementation. Advanced modelling techniques identify hidden capacity and maximize throughput across interconnected process units.

## **TAR & Downtime Minimization**

Comprehensive Front-End Loading (FEL) methodology with integrated schedule management, short interval control, and rapid issue resolution protocols. Centralized War Room approach for critical path monitoring and decision-making, achieving 15-25% schedule compression with enhanced scope management.

## **Safety & Compliance Excellence**

Zero-incident mindset embedded through visible process safety leadership, behavioural safety coaching, and structured continuous risk assessments. Proactive regulatory compliance management with systematic audits and integrated action tracking to.

## **Data-Driven Performance Management**

Real-time performance dashboards, visual management boards, KPI frameworks, and War Room coordination for proactive decision-making and rapid course correction.