



## Using KPI Tracking To Assess Your STO Plan, Process, and Team

The consequences of mismanaging schedules, budgets, resources, or tasks can cause a company a significant loss of revenue, an increase in operating and labor costs, and even impact the supply chain. Keeping track of a few key metrics and KPIs can help a team assess their success (or failure) around an event and better inform their process when planning their next shutdown, turnaround, or outage.

Key performance indicators (KPIs) and metrics to track for your next shutdown, turnaround, or outage:

1



### Scope

- Additional work past freeze date
- Cost justification of approved vs. challenged scope

2



### Planning

- Planning percent complete
- Forecasted planning complete date
- Planning hours remaining

3



### Materials

- Planned vs. ordered
- Late long lead items
- Kitted & issued to the field

4



### QA/QC and Handover

- Outstanding critical punchlist items
- System handover percent complete

5



### Execution

- Earned vs. burned hours
- Productivity reports
- Direct vs. indirect ratios



Spent hours on non-scheduled work or tasks will lead to lower burned over earned hours.

If there's a list of 10 items to complete on schedule but only one task is completed, burned hours are used up but nothing else on schedule was completed.

Providing your planners and schedulers with a set of KPIs to monitor how well their team is adhering to the STO schedule allows them to make real-time changes to the plan or schedule to ensure the success of their STO event.

Tracking the following performance data helps planners and schedulers keep an event on schedule and on budget:



Earned value schedule vs. costs



Planned vs. actual costs and labor



Earned vs. burn rate