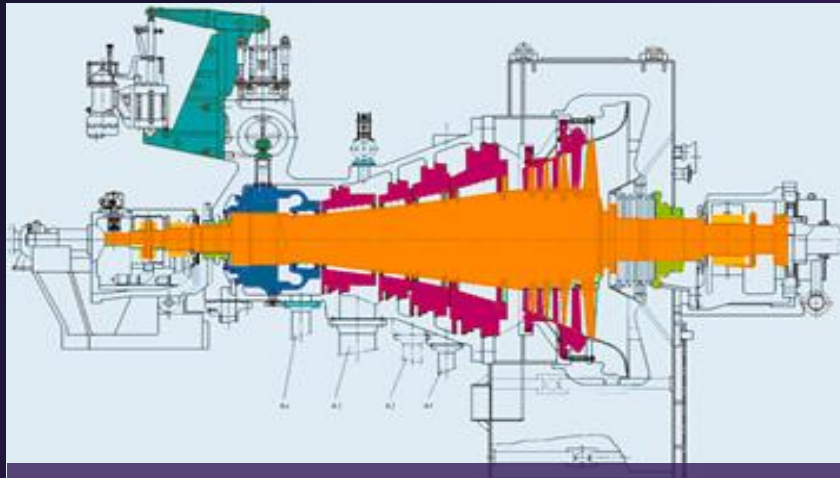
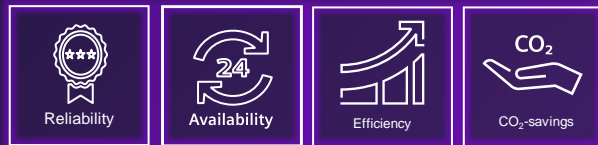


# Revamp for Downsizing

(Applicable for all SST Fleet)



Revamp for downsizing



## Improved Output

CO<sub>2</sub> Up to 10,000 tons less CO<sub>2</sub> per year<sup>1</sup>

### Product Overview

Suited for customers wanting to change their operation to part load conditions with minimal modification and shutdown time



### Features

- New steam path with optimized blading
- New turbine internals to provide maximum turbine efficiency
- No modifications required for the piping or foundations
- Re-use of existing outer casing and auxiliaries contributing to reduced costs and shut-down time



### Benefits<sup>1</sup>

- In a recent success story involving a 40 MW IST in a Pulp & Paper Industry, we achieved,
  - 12.5% more power with available steam input at part load
  - ~10,000 t/a CO<sub>2</sub> reduction
  - < 3 years in ROI
- Cost and productivity benefits from increased lifetime expectancy of the turbine



### Scope of work & Implementation

- The refurbishment includes new steam path with optimized blading
- The revamp is recommended to be done during a major overhaul. Existing structural components is reused as much as possible



<sup>1</sup> Benefits depend on the unit type, MW, and application and will differ from customer to customer.