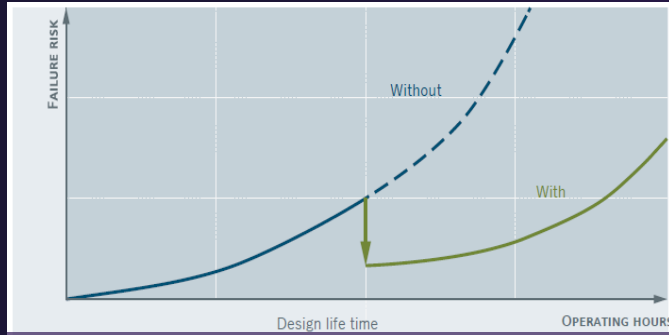
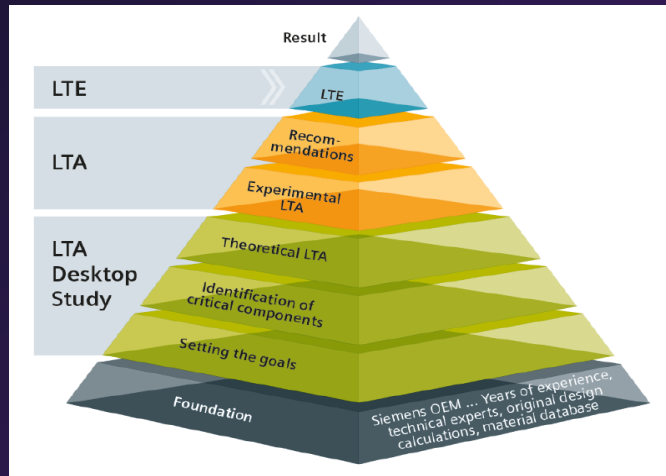


# Lifetime Extension

(Applicable for SST900/ SST800/ SST700/ SST600/ SST500/ SST400/ SST300/ SST200/ legacy fleet)



Failure risk during turbine lifetime



Reliability

Availability

Efficiency

CO<sub>2</sub>-savings



CO<sub>2</sub> savings from increased unit lifetime

## Product Overview

The program is recommended for turbines nearing its design lifetime or 100,000 equivalent operating hours. Careful investigation by our experienced engineers make it possible to extend the operating life of the steam turbine by tens of years at a limited investment cost



## Benefits<sup>1</sup>

- In a recent success story involving an IST with 310 starts operating at 540° C and 114 bar pressure, we achieved,
  - 85,000 additional operating hours for the turbine
  - < 1 year of ROI
- Higher availability and reliability of a turbine at end of its design life
- Cost & CO<sub>2</sub> savings from avoidance of manufacturing a replacement turbine



## Scope of work & Implementation

Lifetime Assessment (LTA) includes 3 stages – LTA theoretical study; Inspection and NDT testing; and recommendations for lifetime extension

