

1. Screw Turbine Simulation

Aim	Methodology	Results
<ul style="list-style-type: none">To evaluate and compare the efficiency of various screw turbine configurations under different flow rates.	<ul style="list-style-type: none">Created screw turbine models in SolidWorks and exported them to Siemens STAR-CCM+.Simulated multiple configurations at varying flow rates to calculate and compare efficiencies.	<ul style="list-style-type: none">Identified optimal screw turbine setups that achieve higher efficiency across different operating conditions, guiding further design and implementation.

