

# Hydropower Turbine Components for Renewable Energy Generation

These turbine components are essential for hydroelectric power generation. They convert the kinetic energy of water into rotational mechanical energy, which is then converted into electricity by a generator.



## Overview

### Comprehensive Hydropower Solutions

This collection of hydropower turbine components offers a complete set of equipment designed for efficient hydroelectric power generation. The system integrates advanced excitation and control technologies, including SCR magnetic devices and brushless excitation systems, to ensure reliable energy conversion. These components are engineered to harness kinetic energy from water resources across various head and flow conditions.

## Core Components

### Excitation Systems

- SCR magnetic devices
- DC excitation system
- AC exciter
- Brushless excitation system

### Control & Automation

- Hydraulic equipment
- Control equipment
- Automatic control systems

## Technical Features

### Application Suitability

Renewable Energy, Hydroelectric Power, Low-head Applications, High-head Applications