

# The Solution

1. flow rate ( lit/sec or m<sup>3</sup>/sec?)
2. Water head (m?)
3. Total power you need( kw?)
4. frequency (50hz or 60hz?)
5. voltage( v?)
6. on grid or off grid?
7. voltage of transmission line ( v?)
8. Elevation ( m?)
9. Is the water quality clear?

# About Us

## CHENGDU FORSTER TECHNOLOGY CO.,LTD

Chengdu Forster Technology is focused on design and manufacturing hydro turbines. The company was founded in 1956. Forster is the first Chinese state-owned enterprise and spares no effort to expand international market in 2013, At present, we have obtained orders in many water-rich areas such as Europe, Asia, South America, North America, etc., and as partners, we are qualified as long-term suppliers in many regions.



The installed capacity of a single unit ranges from 50KW to 30MW. The main turbine types are Turgo turbines, Pelton turbines, Francis turbines, Kaplan turbines and bulb tubular turbines. Forster also supplies governors, valves, transformers, monitoring systems, microcomputer integrated control panels and other equipment to hydro power plants.



## HPP CUSTOM DESIGN

Are you still worried about what kind of hydropower station to build, what type of turbine?

Don't worry, our turbines are customized, you just need to tell us the parameters, and we can provide the best solution for your site based on the parameters.



+86-28-8701 3699

sales@forster-china.com

Building No.4.Zhongtie Xicheng Third East Road of Guanghua, Qingyang District, Chengdu city,Sichuan,CHINA

## EXQUISITE PRODUCTS PERFECT SERVICE

### CONTACT US

[www.fstgenerator.com](http://www.fstgenerator.com)

# DESIGN CONCEPT

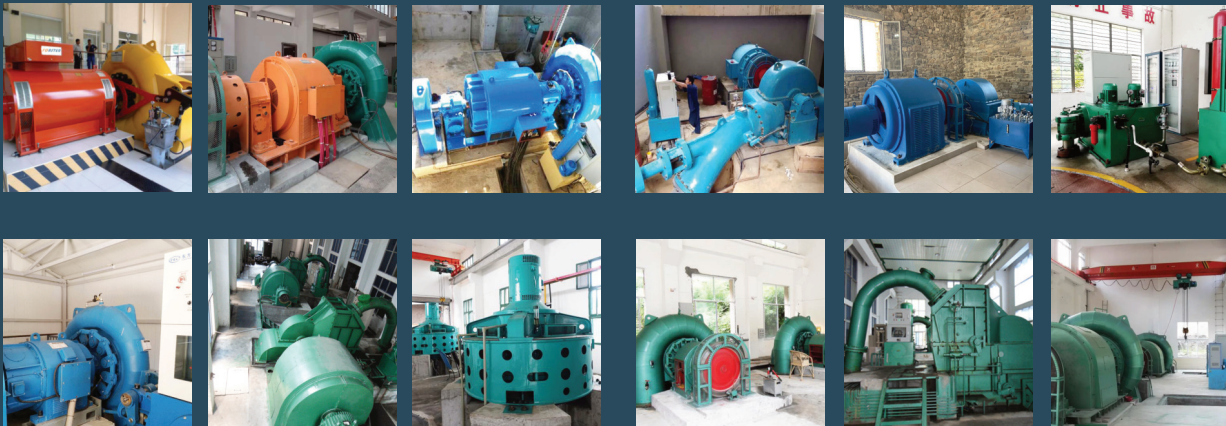
We design around the customer's needs through the parameters provided by the customer, and carefully design the power station layout drawings for the customer.

We always adhere to the principle of honesty, pragmatism and quality first, and integrate the life attitudes of the best and the best in our work, and strive to create a good pattern of win-win for customers, enterprises and society. In the fierce market competition, we have always adhered to the details to determine success or failure, focusing on the entrepreneurial spirit of excellence. In the friendly cooperation with domestic and foreign customers, we have been pursuing the business philosophy of creating maximum value for our customers.



## CASE

HYDRO POWER PLANT

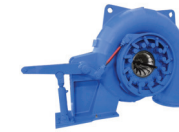


## CASE

HYDRO POWER PLANT

# PRODUCT FEATURES

## Francis Turbine



Francis Turbine is widely used in hydropower plants with low, middle and high water head commonly ranging from 30m to 300m, The maximum water head can be 500m, The unit has advantages such as: compact structure and high efficiency.

## Pelton Turbine



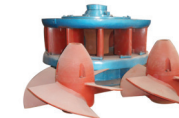
Pelton Turbine is used in hydropower plants with middle and high water head, generally ranging from 90 m to 600 m, the maximum water head can reach 1200 m. It can be divided into single nozzle type and multiple nozzle type.

## Turgo Turbine



Turgo Turbine has its unique application range, is commonly used in the hydropower plants with water head ranging from 25 m to 200 m.

## Kaplan Turbine



Kaplan Turbine is used in hydropower plants with low and middle water head commonly ranging from 3m to 30m. It can be divided into Propeller Fix Blade Type and Kaplan Movable Blade Type, Propeller turbine is used in the power plant whose flow varies little.

## Tubular Turbine



The Tubular Turbine is suitable for heads from 5 to 20 meters, and is more efficient than shaft-type tubular units and axial flow units for easy operation and maintenance. The tubular turbine is divided into a fixed vane type and a movable vane type.

## HPP Equipment



We supply computer control panels, governors, valves, transformers and runners, guide vanes, volutes and other accessories renovation services