

HYDROTU

www.hydrotu.com



Hydropower to the world
30+ years of expertise
50+ site installations



BEING BLUE GOING GREEN



Hydro Turbines [200 kW-20 MW]

TYPES: PELTON | KAPLAN | FRANCIS | TURGO | BULB | S TYPE



AC Power Generators

SYSTEM-INTEGRATED ENGINEERING AS PER YOUR NEEDS



Control Panels & Cabinets

SYSTEM-INTEGRATED ENGINEERING AS PER YOUR NEEDS




HYDROTU



OUR OFFERING

We at Hangzhou HYDROTU Engineering Co. Ltd. like to be your trustful and reliable hydroelectricity engineering partner as a true "ONE-STOP-SHOP" from China to the world.

Our president, Mr. Tu, has 30+ years of experience in hydropower, graduated from the very well known Tsinghua University  Tsinghua University majoring in fluid mechanics. Mr. Tu holds a Master Degree in Hydropower Technology and served over thirty years working on the medium and small size hydropower projects all over the world.

We provide high quality Chinese hydropower equipment with advanced technologies and integrated services to meet the global hydropower markets.

The company has been established in the year 2007 has revenues of > 4 MUSD. Our engineering, project and sourcing team knows the market in China well, and more important the factories know us.



"Hydropower brings you a prosperous future with clean, reliable, renewable energy. It is my passion - every project delivered successfully is most important for our client as it is for myself."

Mr. Tu MingQi



president@hydrotu.com

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HYDROTU



LOCATION

Hangzhou is the capital of the Zhejiang Province, located at the big Western lakes of China & second largest central city in the Yangtze River Delta (YRD) – south-west of Shanghai. 37 of the world Fortune 500 companies have settled in Hangzhou.

Our head office, Hangzhou HYDROTU Engineering Co. Ltd., is located next to the city center at the Zhejiang University NATIONAL SCIENCE PARK, 525 Xixi Road, West A – 413.

You can reach us by flight via the [Hangzhou Xiaoshan International Airport](#) (code: HGH) in less than 45 min or via transfer from Shanghai Pudong Airport within 2 h drive. If you take the train to Hangzhou train station, it will take you 20 min of transfer time.



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OUR TEAM



OUR TEAM is important to us and the success of our projects. We value our employees and assure work ethics and standards are kept to enjoy the work and deliver best possible results.



2024



Hangzhou CN

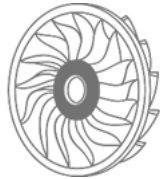


HYDROTU TURBINE TYPES

Depending on your site-conditions, we are enabled to recommend a turbine type most suitable for your project. Our 30+ years of experience and delivering successfully, makes us the suitable partner for the supply. We know the factory market in China and will select those most matching your needs for turbines and accessories.



1 PELTON



2 TURGO



3 FRANCIS



4 KAPLAN



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POWER RANGE

Our engineering focus and offering is starting at a power range of 200 kW up to 20 MW hydro power (beyond on request).

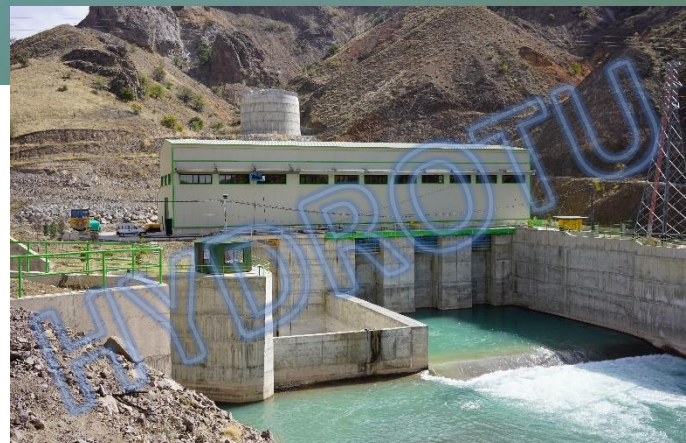
As per experience, there is no project “copy paste”, and we can give best possible advice on the total power generation targets.



Turbine Power Solutions

200 kW – 20 MW

Small and medium size hydropower

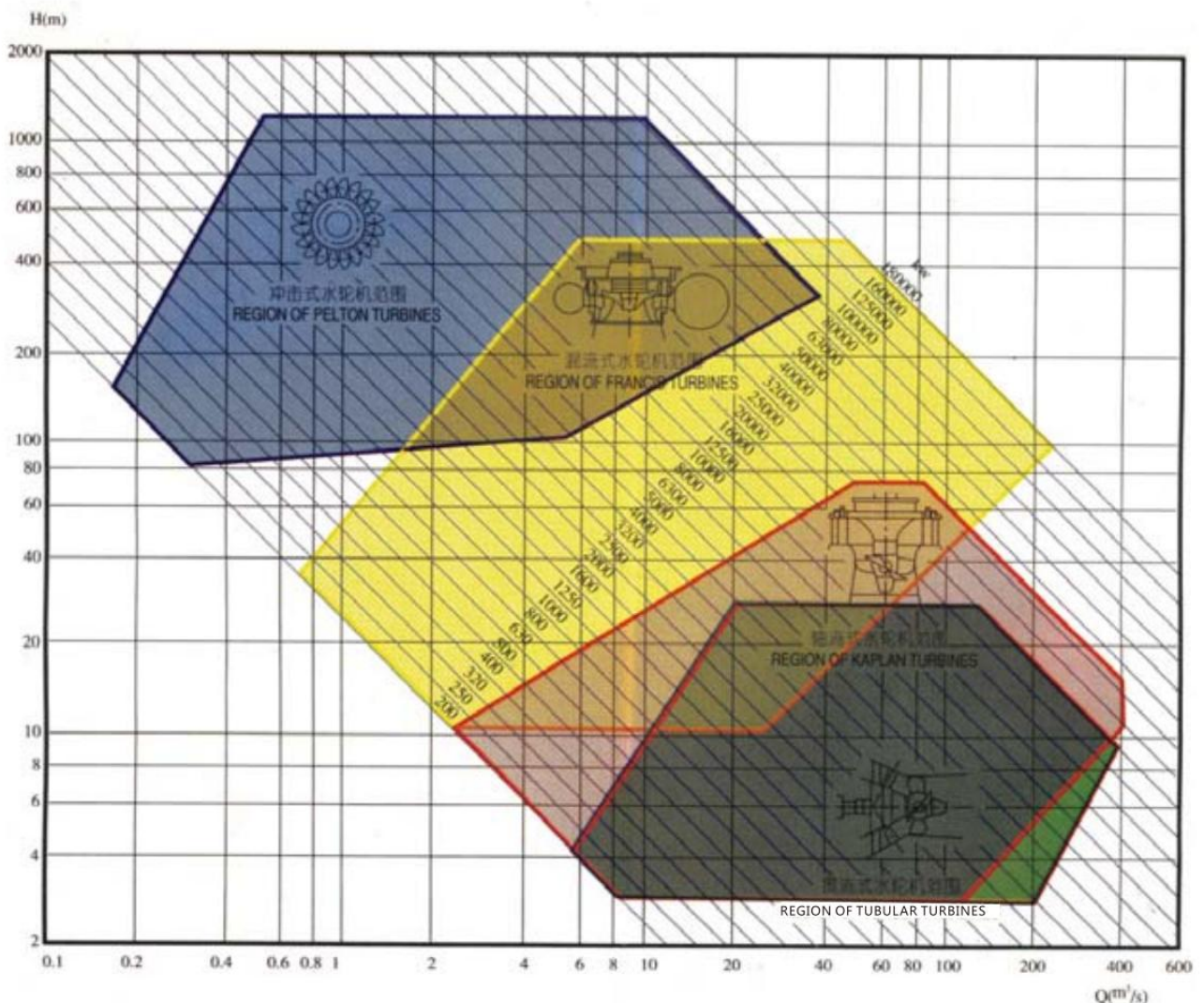




HYDROTU APPLICATION

Every turbine type has a defined range of working conditions in optimum. This is also the reason, that there is no such thing, as a standardized turbine installation. Depending on the environment and parameters given, the best turbine type it's way of installation and application will need to be selected wisely. HYDROTU is the expertise to discuss & select with you.

Application Diagram for Hydro Turbines





HYDROTU QUALITY

We deliver as per your demands, and the better you share your project objectives, the better we are enabled to deliver as per your customer expectation. Technically and commercially we will assure the best possible match to your needs.





HYDROTU QUALITY

Quality Management Disciplines (Quality Planning & Checking)

- Metallurgical Analysis (Spectrometer, Certificate Check)
- Mechanical Property Test (TY&E)
- Welder Testing (Certificates)
- NDT Inspector Certificate Checks
- Non-destructive Testing Methods (Eddy Current, Ultrasonic)
- Heat Treatment Inspection (Protocol Observation)
- Sand Blasting Results Check (Visual Inspection)
- Paint Thickness Measurement (Ultrasonic)
- Balancing of Rotating Masses (Measurement)
- Runner Static Balancing Check
- Rotor insulation & excitation system high-voltage stand test





HYDROTU BILL OF MATERIAL

Typically a full system delivery consists of the following bill of material (BOM) as per your needs.

- TURBINE EQUIPMENT
 - PELTON / KAPLAN / FRANCIS / BULB / TURGO / S TYPE
- TURBINE GENERATOR
- TURBINE GOVERNOR
- FLANGED VALVE(S)
 - BUTTERFLY / GATE / GLOVE
- DRAWINGS & MANUALS







SGS Reference No: EZ/2007/A0008C-03

Page 1 of 1

VERIFICATION OF COMPLIANCE

Verification Report No.	: EZ/2007/A0008C-03
Representative Model	: SF100KW-100MW
Series Model(s)	: SF100KW-100MW Series
Product Name	: Hydro Turbine Generator Units (Hydro turbine, Generator, Excitation system, Governor, Inlet valve, Auxiliary system, Control system)
Applicant	: Hangzhou Hydrotu Engineering Co.,Ltd.
Address of Applicant	: West A -413,Zhejiang University National Science Park, No.525 Xixi Road,Hangzhou,China,310013
TCF Number	: ZJWG090924
Date of Issue	: January 02, 2010
Applicable Standards	: EN 60204-1:2006

Conclusion

Based upon a review of the worksheets and the Technical Construction File, the apparatus is deemed to meet the requirements of the above standards and hence fulfill the requirements of:

Low Voltage Directive 2006/95/EC

Note : This verification is only valid for the equipment and configuration described and in conjunction with the technical data detailed above.

The CE mark as shown below can be used, under the responsibility of the manufacture, after completion an EC Declaration of Conformity and compliances with all relevant EC Directives.

Authorized Signatory:



SGS TAIWAN LTD.
Jason Lin
Technical Manager

CE

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SGS Taiwan Ltd.
台灣檢驗科技股份有限公司

No. 124, Wu Xing Road, Wuku Industrial Zone, Taipei County, Taiwan. / 台北縣五股工業區五二路124號

Tel: (886-2) 2299-2929 Fax: (886-2) 2299-2938

www.tai.sgs.com

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SGS Reference No: EZ/2007/A0008C-03

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 台灣檢驗科技股份有限公司 電話(886-2) 2799-3838 傳真(886-2) 2799-2698 www.taipei.sgs.com
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TESTIMONIES



CUSTOMER SATISFACTION - THE FOUNDATION OF OUR BUSINESS





Sirikcioglu Enerji / User's Certificate

Dec.10th, 2009

USER'S CERTIFICATE

We certificate that our hydropower project KOZAK HES 2x2200KW supplied by Hangzhou Hydrotu Engineering Co.Ltd. had been put into operation since December, 2009. All the running process has proved that all the performance of turbine generator unit meets the requirement of the design. The water turbine has high efficiency, steady running operation, advanced structure design, and excellent manufacture. During the period of installation, training and testing of our Turbine Generator units, Hangzhou Hydrotu Engineering. had provided us professional service, and we are deeply grateful for your work.

Supplier: Hangzhou Hydrotu Engineering Co.Ltd.

Turbine (DJP502-LH-130)

Generator (SF2200-12/2150)

Governor (YWT-1800)



Sirikcioglu Enerji

Mr. Atif Sirikci
President



HYDROTU



TESTIMONIES

SER-ER ENERJI. / User's Certificate

Aug.20th, 2010

USER'S CERTIFICATE

We certificate that our hydropower project KOZAN HES 2x1985KW supplied by Hangzhou Hydrotu Engineering Co.Ltd. had been put into operation since August, 2010. All the running process has proved that all the performance of turbine generator unit meets the requirement of the design. The water turbine has high efficiency, steady running operation, advanced structure design, and excellent manufacture. During the period of installation, training and testing of our Turbine Generator units, Hangzhou Hydrotu Engineering. had provided us professional service, and we are deeply grateful for your work.

Supplier: Hangzhou Hydrotu Engineering Co.Ltd.
Turbine (HLB01-WJ-76)
Generator (SFWE2000-8/1430)
Governor (GYT-1000)



SER-ER ENERJI URETIM VE TICARET AS

Mr. IBRAHIM KONDEL

President



HYDROTU



TESTIMONIES

ECO ENERGO GROUP DOO / User's Certificate

Apr.10th, 2010

USER'S CERTIFICATE

We certify that our hydropower project Tegosnica 410KW+250KW supplied by Hangzhou Hydrotu Engineering Co.Ltd. had been put into operation since Apr 10, 2010. All the running process has proved that all the performance of turbine generator unit meets the requirement of the design. The water turbine has high efficiency, steady running operation, advanced structure design, and excellent manufacture. During the period of installation, training and testing of our Turbine Generator units, Hangzhou Hydrotu Engineering. had provided us professional service, and we are deeply grateful for your work.

Supplier: Hangzhou Hydrotu Engineering Co.Ltd.

Turbine (ZD406-LJ-74)

Generator (SF410-8/850, SF250-8/850)

Governor (GYT-300)



ECO ENERGO GROUP DOO

Mr. P.Aleksic

President



HYDROTU



TESTIMONIES

Yesil Enerji A.S. / User's Certificate

Dec.10th, 2008

USER'S CERTIFICATE

We certificate that our hydropower project Tayfun Hes 2x475KW supplied by Zhejiang Wanhigh Tech. had been put into operation since March, 2008. All the running process has proved that all the performance of turbine generator unit meets the requirement of the design. The water turbine has high efficiency, steady running operation, advanced structure design, and excellent manufacture. During the period of installation, training and testing of our Turbine Generator units, Zhejiang Wanhigh Tech. had provided us professional service, and we are deeply grateful for your work.

Supplier: Zhejiang Wanhigh Technology Development Co. Ltd.
(Hangzhou Hydrotu Engineering Co.Ltd.)
Turbine (HLA575C-WJ-52)
Generator (SFWE-W475-6/850)
Governor (GYWT-300)



YESIL ENERJI A.S.

Mr. Erdal Kucukavruk
President



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TESTIMONIES

GOK ENERJI ELEKTRIK. / User's Certificate

Ayl.20th, 2010

USER'S CERTIFICATE

We certify that our hydropower project GOK HES 3x3500KW supplied by Hangzhou Hydrotu Engineering Co.Ltd. had been put into operation since July, 2010. All the running process has proved that all the performance of turbine generator unit meets the requirement of the design. The water turbine has high efficiency, steady running operation, advanced structure design, and excellent manufacture. During the period of installation, training and testing of our Turbine Generator units, Hangzhou Hydrotu Engineering. had provided us professional service, and we are deeply grateful for your work.

Supplier: Hangzhou Hydrotu Engineering Co.Ltd.
Turbine (ZDS09-HL-160)
Generator (SF3500-14/2600)
Governor (GYT-3000)



GOK ENERJI ELEKTRIK. / User's Certificate



GOK ENERJI ELEKTRIK SAN.VE TIC.A.S.

Mr. Halil GOK
President

H. Halil GOK
GOK ENERJI ELEKTRIK
SAN.VE TIC.A.S.
Sarı Marmarış Mah. Çarşı Çarşısı
No: 106 Kat: 2. Kat / 01060 / 01060
Tel: 0332 474 34 40 / Fax: 0332 474 34 40
E-mail: info@geelektrik.com.tr



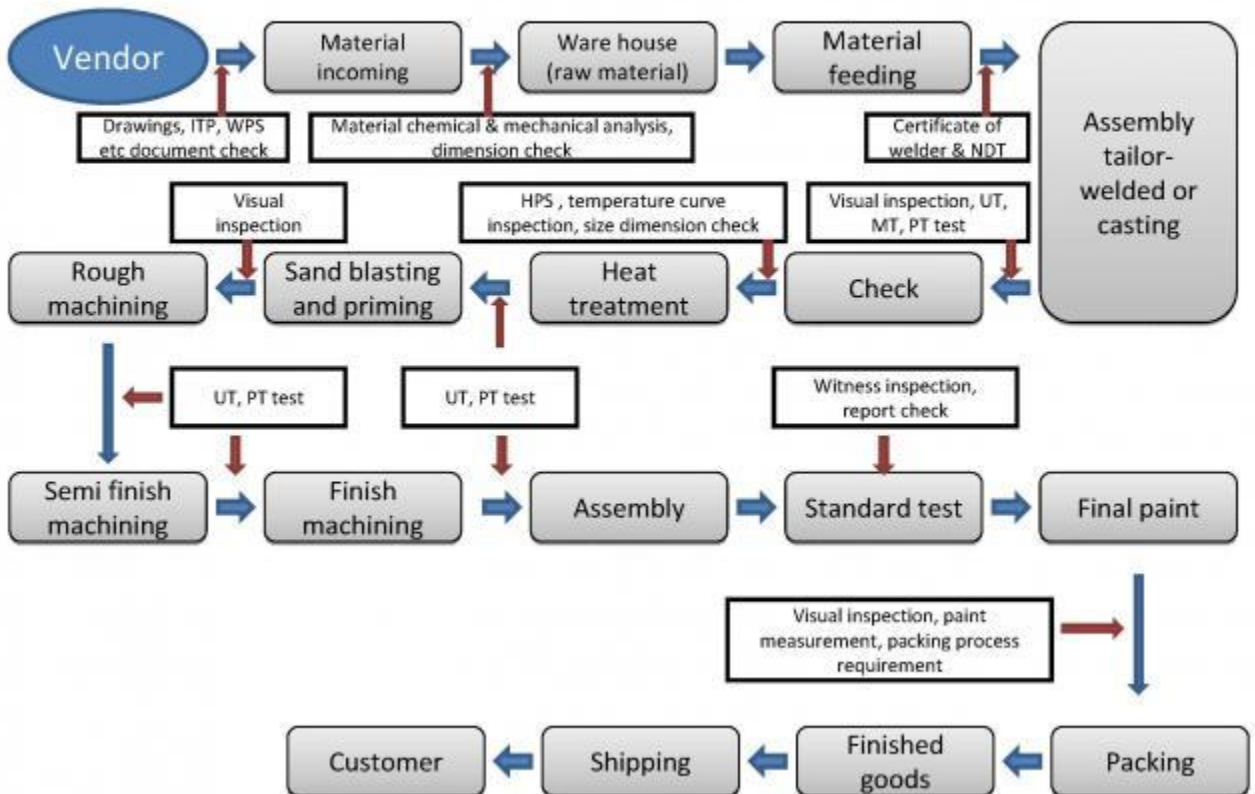


HYDROTU PROJECT KEY

Every hydropower project is a unique installation. The typical parameters on-site find seldomly exactly the same conditions twice – globally. This requires attention to deliver a successful project at the expected outcome in terms of efficiency.

Anyway, a project needs structure and following certain standard business procedures. Therefore we have an internal process to secure those standards and provide the structure needed for a successful delivery.

Standard production flow management





HYDROTU ON-SITE SERVICE

We do not just ship our equipment on a professional and aligned way, we also provide on-site service to support your installation process.

A team of skilled technicians will assist you for a defined period of time. We will therefore make sure, that the equipment is installed and working properly as planned. In order to make the support service as efficient as possible, all a close cooperation with our clients is key for success.



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Control Panels & Cabinets

SYSTEM-INTEGRATED ENGINEERING

HYDROTU is committed to support international customer projects for more than 30 years.



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REFERENCES



AC Power Generators

SYSTEM-INTEGRATED ENGINEERING

We adopt to your needs and are your bridge into the Chinese technology offering.

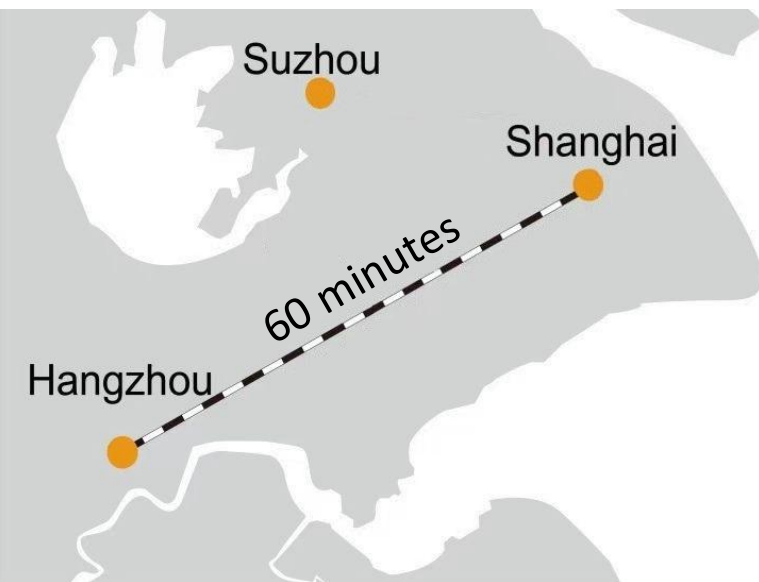


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Hangzhou HYDROTU Engineering Co. Ltd.



Hangzhou, China

Hangzhou Airport HGH
< 30 min by car

Shanghai Airport PVG
< 2 h by car

Shanghai Airports SHA
60 min by train



CONTACT DETAILS

We are more than happy discuss your demands and secure your international project supply.



Hangzhou HYDROTU Engineering Co., Ltd.
525 Xixi Road, A-413
CN-310013 Hangzhou, Zhejiang

Phone: +86 571 86795515
+86 130 0360 2610

Email: president@hydrotu.com
www.hydrotu.com



Eng. Tu MingQi
President

HYDROTU Business Development
c/o URVALCO Suzhou Ltd.
2 Taishan Road, A-1607
CN-215129 Suzhou, Jiangsu

Phone: +86 180 3609 4186

Email: info@urvalco.com
www.urvalco.com



Eng. Dirk Schneider
General Manager URVALCO
HYDROTU Business Development



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www.hydrotu.com