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SUCCESS OF THE SWISS MACHINERY MANUFACTURING INDUSTRY IN BRAZIL

Water turbines of Swiss design have recently been taken into service at two important power stations in Brazil, which country has for a long time been one of Switzerland's important clients. For the Barra Bonita Power Station on the Tiete river in the State of Sao Paulo, the main works of Escher Wyss in Zurich/Switzerland have delivered, in co-operation with the company's works at Ravensburg (Wurtemberg), four Kaplan turbines having a total output of 188,000 h.p. Each of these machines develops 47,000 h.p. and embodies various noteworthy technical improvements, such as, for example, a common shaft for turbine and generator, as also improvements in the regulation.

Eschey Wyss, Zurich, have also delivered, in co-operation with the associated firm of Maschinenfabrik Andritz in Graz, two considerably larger and more powerful Kaplan turbines each developing 70,000 h.p., these units being of similar design but for the Brazilian Power Station of Jurumirim on the Paranapanema river, likewise in the state of Sao Paulo.

Escher Wyss has been successful in booking another very important order within the framework of an Italian-Swiss consortium for the large power station of Urubupunga (Jupia), also in Brazil. This contract was obtained against strong international competition and covers Kaplan turbines designed to develop unit outputs of 140,000 h.p.; they are thus considerably more powerful than the largest units of this type hitherto installed in Western Europe which were built by Escher Wyss for Aschach on the Danube, with outputs of 100,000 h.p. each.



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