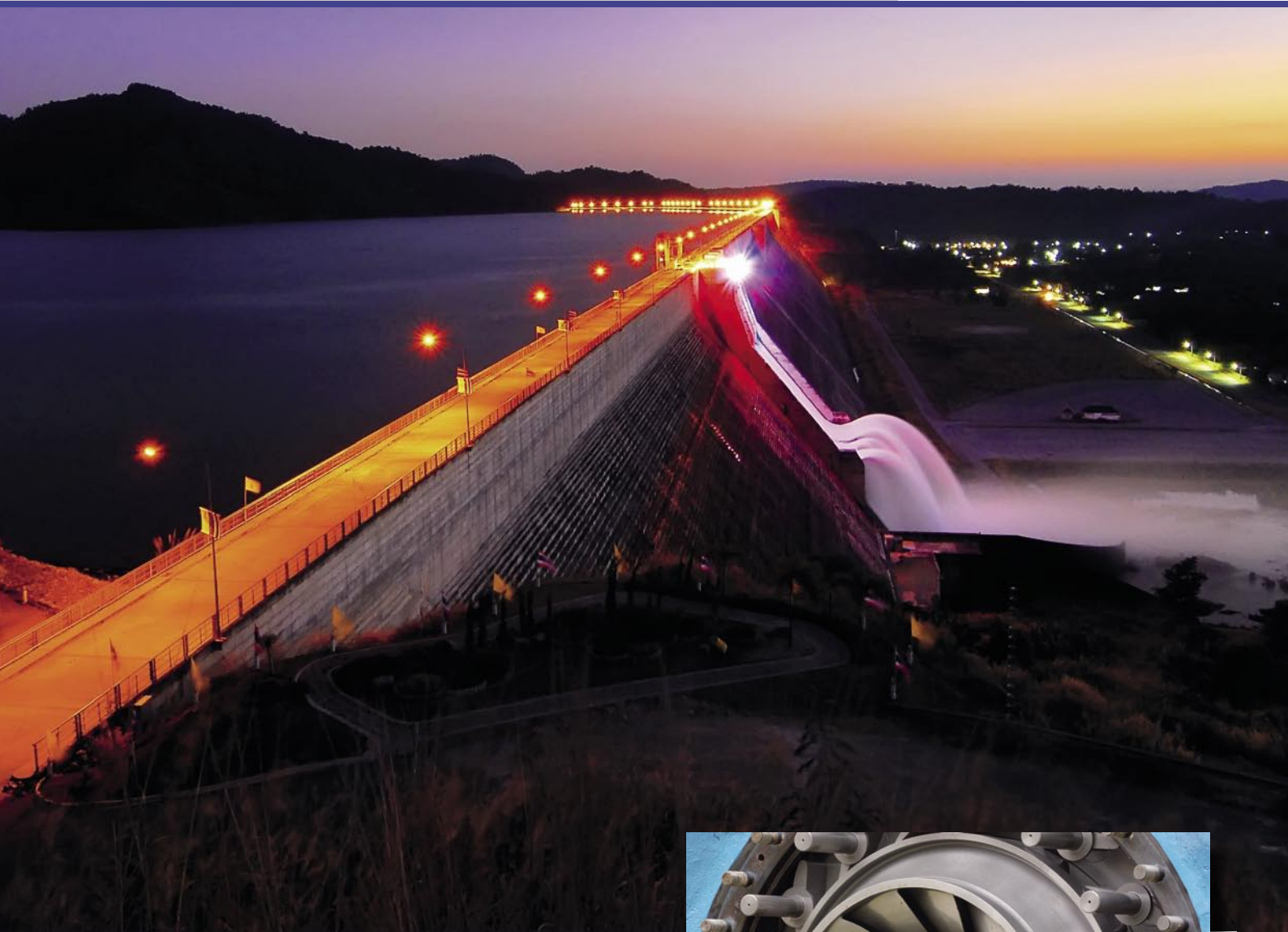


HY SERIES FOR HYDROPOWER



Hydropower has significant growth potential. It has many advantages and today accounts for more than 80% of renewable power generation, worldwide.

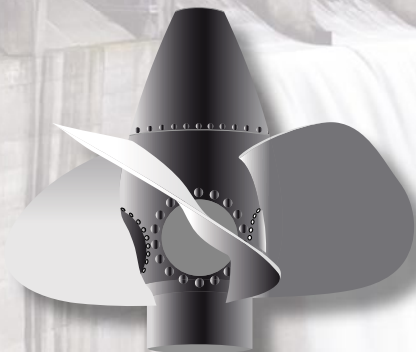
With such a promising outlook, Corodur® Fülldraht GmbH, as a leader in manufacturing Flux Cored Wires, has developed remarkable alloys for Joining and Hardfacing of Turbines, for example



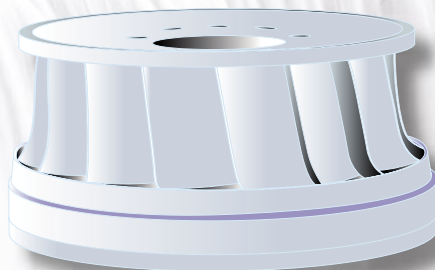
WE SOLVE YOUR WEAR PROBLEMS

For maintenance works:
Corodur® 295 HY

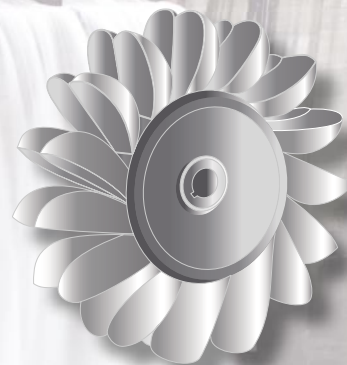
For construction and
maintenance works:
Corodur® 4351 HY



KAPLAN TURBINE



FRANCIS TURBINE



PELTON TURBINE

Product	Hardness	Typical all weld metal analysis (%)		
CORODUR® 295 HY	Deposited Hardness: 280 - 300 HB Work hardened: 450 - 500 HB	C: 0.25 Si: 2.8	Mn: 10 Cr: 20	Co: 10
CORODUR® 4351 HY		C: 0.02 Si: 0.7	Mn: 0.9 Cr: 12.5	Ni: 4.7 Mo: 0.55



WELDING ADVANTAGES OF CORODUR® 4351 HY

A superb toughness

+ 20°C: 70 J

0°C: 50 J

- ✓ Nice and smooth weld deposit
- ✓ Very low spatter
- ✓ Better arc stability than solid wire
- ✓ Reduced cold crack sensitivity
- ✓ Good wetting properties
- ✓ Welding Positions: PA / PB / PC / PF

Please contact us to discover these new products, which support renewable power generation.
Join us in making the world a more environmentally friendly place!



CORODUR
Das Original FÜLLDRAHT GMBH

CORODUR FÜLLDRAHT GMBH
Gießerallee 37
D - 47877 Willich

Telephone: +49 (0) 2154 8879-0
Fax: +49 (0) 2154 8879-79
info@corodur.de | www.corodur.de