

Application Bulletin

Power Generation

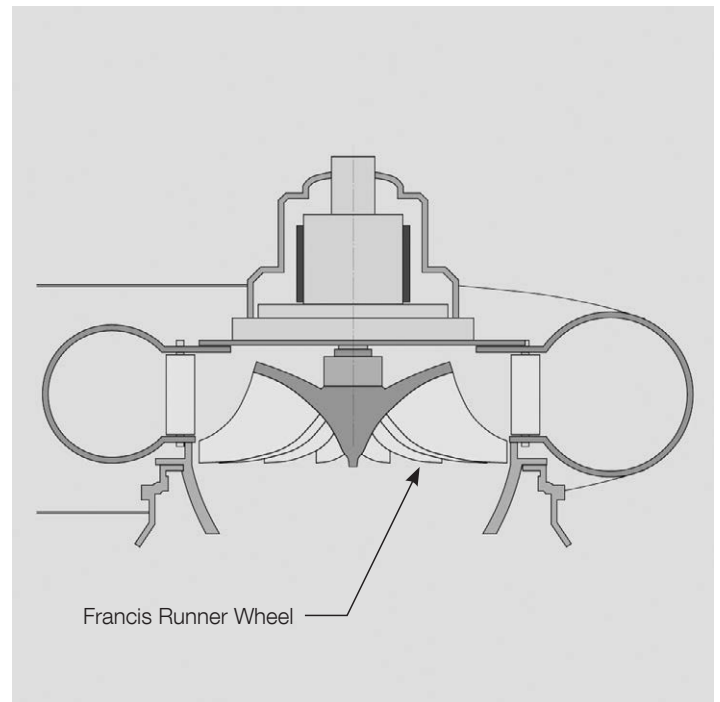
Hydropower – Francis Turbine Runner Wheel

Francis water turbines are popular because of their adaptability to many water flow and head conditions. However, turbine efficiency can be reduced as a result of exposure of the runner wheel to erosive media, such as sands, silts and gravels. The runner wheels are also subject to fluid erosion and cavitation.

The Oerlikon Metco Solution

Protect Francis runner wheels from erosion and cavitation with Oerlikon Metco HVOF materials and application equipment.

- Extend Francis turbine runner wheel service life
- Ensure high turbine efficiency
- Maintain expected turbine power output



Recommended Oerlikon Metco Products

Amdry 5843	High performance coating material with very good cavitation resistance
WOKA 3652	High performance coating material for erosion and cavitation resistance
WOKA 3652-FC	High performance coating material, especially for extra-fine silt conditions
HVOF Systems	HVOF gas and liquid fuel thermal spray application systems

More Information

DSMTS-0113
DSMTS-0025
DSMTS-0025
HVOF Solutions

Information is subject to change without prior notice.