

Improvement assessment - Francis, guide vanes

In a Francis turbine of older design, there was cavitation on the guide vanes.

In order to correct this, the guide vanes were modified.

In a multidimensional diagnostic test the result was checked.

Improvement ?

Within the operating range, cavitation on the guide vanes was suppressed by more than three times. The accompanying change in the runner cavitation has no practical relevance.

