

WATER JET CUTTING FOR TURBINE PARTS.

WATERJET AG AS A GENERAL CONTRACTOR FOR INNOVATION

Waterjet goes the extra mile for its customers. From simple water jet cutting to complex projects that include product development, Waterjet acts as a general contractor.

Waterjet analyses the situation for and with clients, and develops relevant solutions in the areas of material (acquisition and processing), production (cutting procedures and processes), logistics (delivery) and installation (monitoring and post-processing).

Waterjet is always a reliable service provider for all its customers. But, above all, Waterjet is a partner of the highest standard.



TURBINE PARTS FOR THE ENERGY OF THIS WORLD

A world leader in energy solutions developed a turbine type, for which he needed a special, high-precision component. It had to be thermo-neutrally cut from the metal Inconel and have angled edges. Therefore, only abrasive water jet cutting would be suitable.

Even before the order was placed, Waterjet had produced a prototype using CAD drawing data. For the experiments in our own laboratory, we acquired worldwide available stocks of the metal. The laboratory provided the relevant data for the cutting process of the oblique (loxogonal) work piece. The work piece was cut using an innovative 3D water jet cutting process.

WATERJET: THE GENERAL CONTRACTOR

The prototype convinced the power company. Waterjet Systems was awarded the contract for serial production. Based on the proven 3D water jet cutting process, Waterjet developed a 24hr serial production process to markedly lower production costs.

Not only was Waterjet the only manufacturer able to meet the highest standards, but also the only water jet cutter that developed and produced the work pieces in the manner of a general contractor.

