



TILTING GATE WEIR

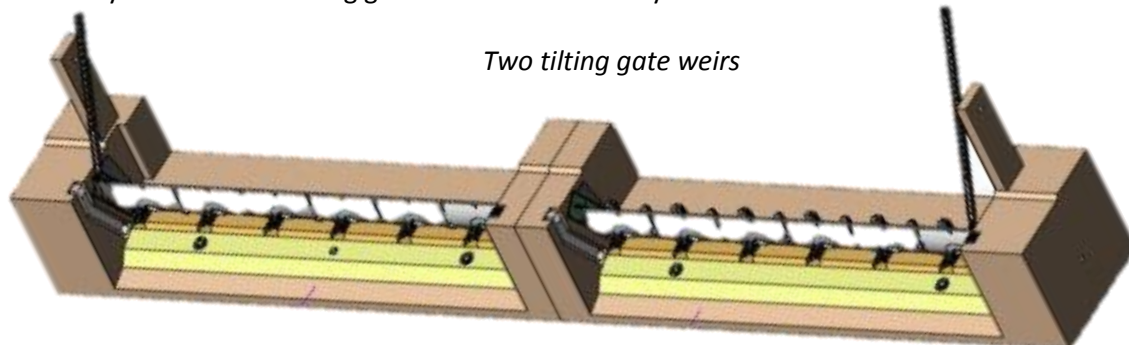


Strojírny a stavby Třinec, a. s. offers complex solution of tilting gate weir supply for water system, which are used to regulate water-level.

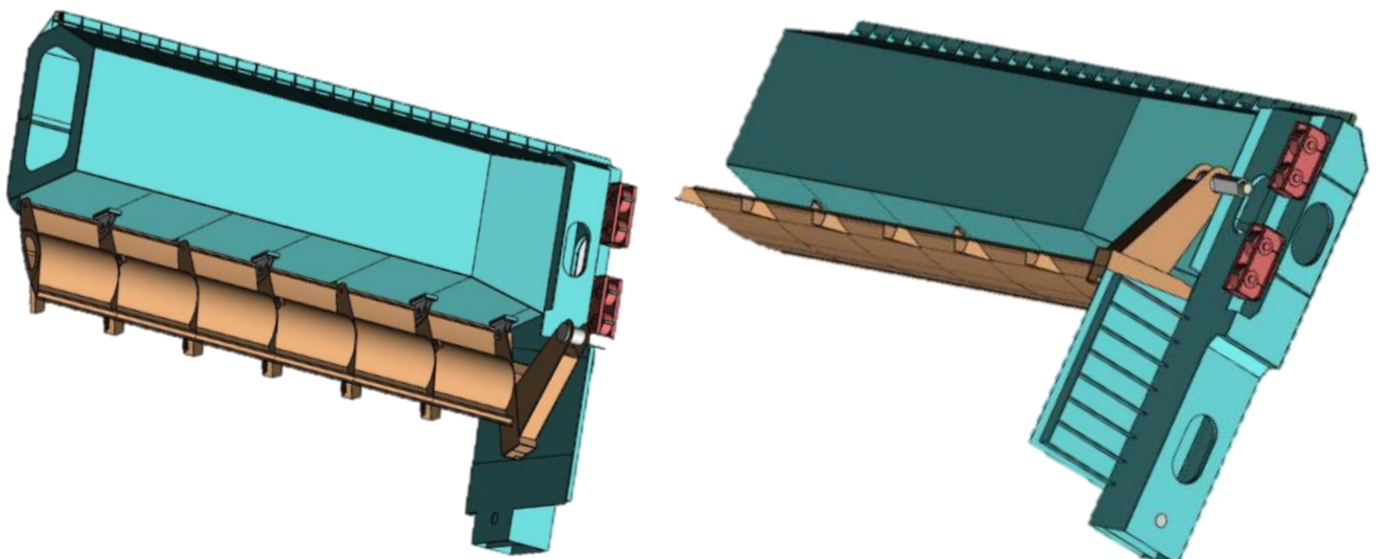
We offer:

- Complex design solution
- Production of tilting gate weir weldments incl. the machining and surfacing
- Production of steel structures
- Complex building activities
- Assembly and putting into operation

Design, static and dynamic load of tilting gate weir is calculated by Finite elements method.



Simulation of opening and closing of the tilting gate weir





REFERENCE: TILTING GATE WEIR – LHOTKA NA ODŘE

The tilting gate weirs have two 20 m wide weir spans, with butterfly gates with 2.2 m high. The tilting gate weirs are made as left and right. They are unilaterally controlled from bank pillars by metal bars and lifting gear with gear drives. Butterfly gates are inclined at an angle of 75° in the upright position.

DESIGN OF THE TILTING GATE WEIR – it is a hollow structure of a lenticular shape, which is welded from radius plates and transverse stiffener. The gate weir is made as single piece assembly which consists of its own gate weir body fitted on seven bearings in the side shields, expanding cross threshold and side frames with piping. At the overflow level are lay out baffles (double types) for retaining of floating debris.

