



**International Workshop  
on Hydraulic Design of  
Low-Head Structures**

20 - 22 February 2013  
FH Aachen University of Applied Sciences  
Bayernallee 9, Aachen/Germany

**Technical tour**

Friday, 22 February 2013 (full day)

1. Destination (morning):

**Urft dam (Germany)**

(Presentation & detailed visit of the dam and spillway)



Photo: WVER

The Urft dam is 58.5 m high arch gravity dam planned and built by Otto Intze between 1900 and 1905. With a length of 226 m, a base width of 50.5 m and a crown width of 6 m, the Urft dam was the largest dam in Europe at the time. An integrated stepped spillway of 91 m width with 33 steps serves as flood release structure.

Between 1994 and 1999, an inspection gallery was installed in order to meet the state-of-the-art technology.

Nowadays, the Urft reservoir with its volume of  $45.5 \times 10^6 \text{ m}^3$  is operated in combination with the downstream Rur reservoir and the upstream Olef reservoir having a total storage capacity of  $265 \times 10^6 \text{ m}^3$ .

More information (in German) can be found [here](#), English information on [Wikipedia](#).