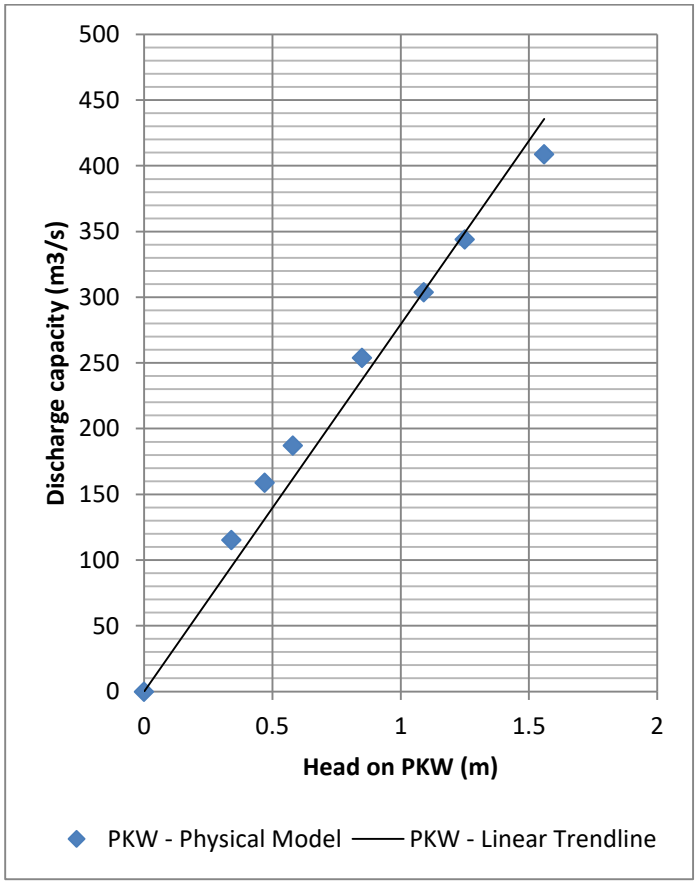
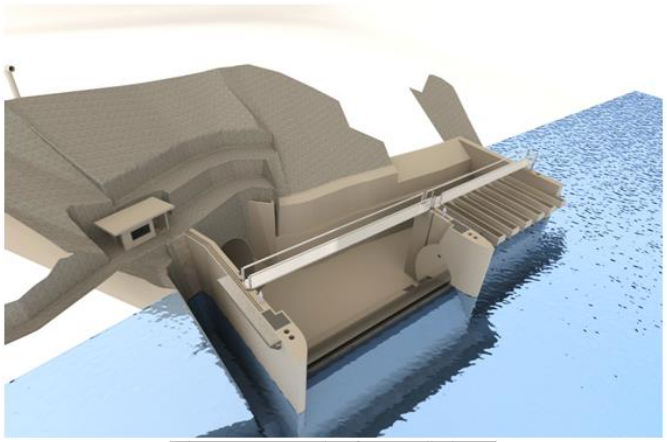
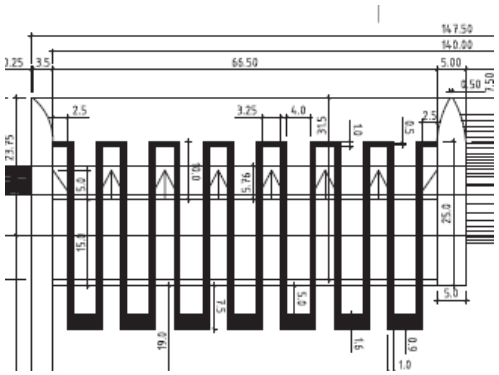
Dam's name: **GAGE** *PKW's year of Construction:* 2015-2017



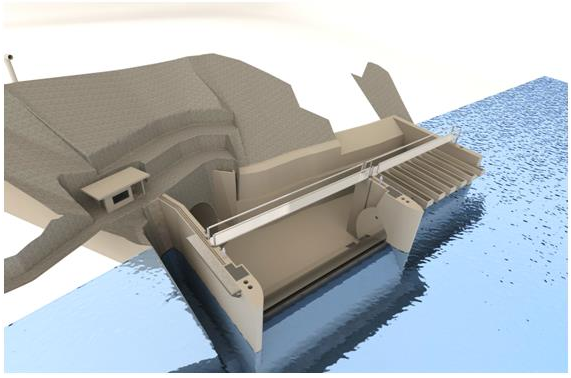


Country: France

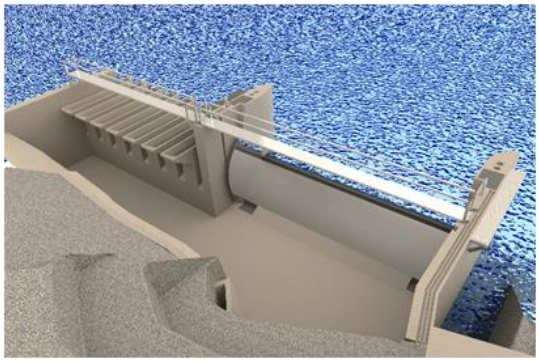
Progress of work :	Under Construction
Dam's owner:	EDF
Consultant and physical model laboratory:	EPFL
Contractor:	VINCI Constructions
PKW location:	On the right bank of the basin
Downstream energy dissipation type:	Deflector bucket
PKW purpose:	Increase discharge capacity
PKW discharge capacity at MWL (m3/s):	398
Surveillance devices (Presence and type):	No
Aeration (type and diameter of the pipe):	7 PVC pipes of 300 mm of diameter + 1 collector of 800 mm of diameter
Overflowing Frequency:	Annual
Number of overflow known:	0 – Under construction
Maximum head on PKW experienced (m) and date:	0 – Under construction
Material of the PKW:	Reinforced concrete
Type of model used:	Physical
Type and number of other spillway:	1 uncontrolled spillway (crest of the dam)
B (m):	13
P (m):	6
W (m):	26.6
L (m):	208
Number of inlet:	7
W_i *(m):*	1.6
Number of outlet:	6 + 2 closing outlets
W_o *(m):*	1.3
T_s *(m):*	0.4



Plan view of the PKW



Upstream view of the PKW



Downstream view of the PKW

Comment:

The PKW is coupled with a flap gate which allows changing the water level of the basin according to each season (winter or summer).

Moreover, the special feature of this spillway is that the discharged water needs to go through an underground gallery before joining the downstream of the river.