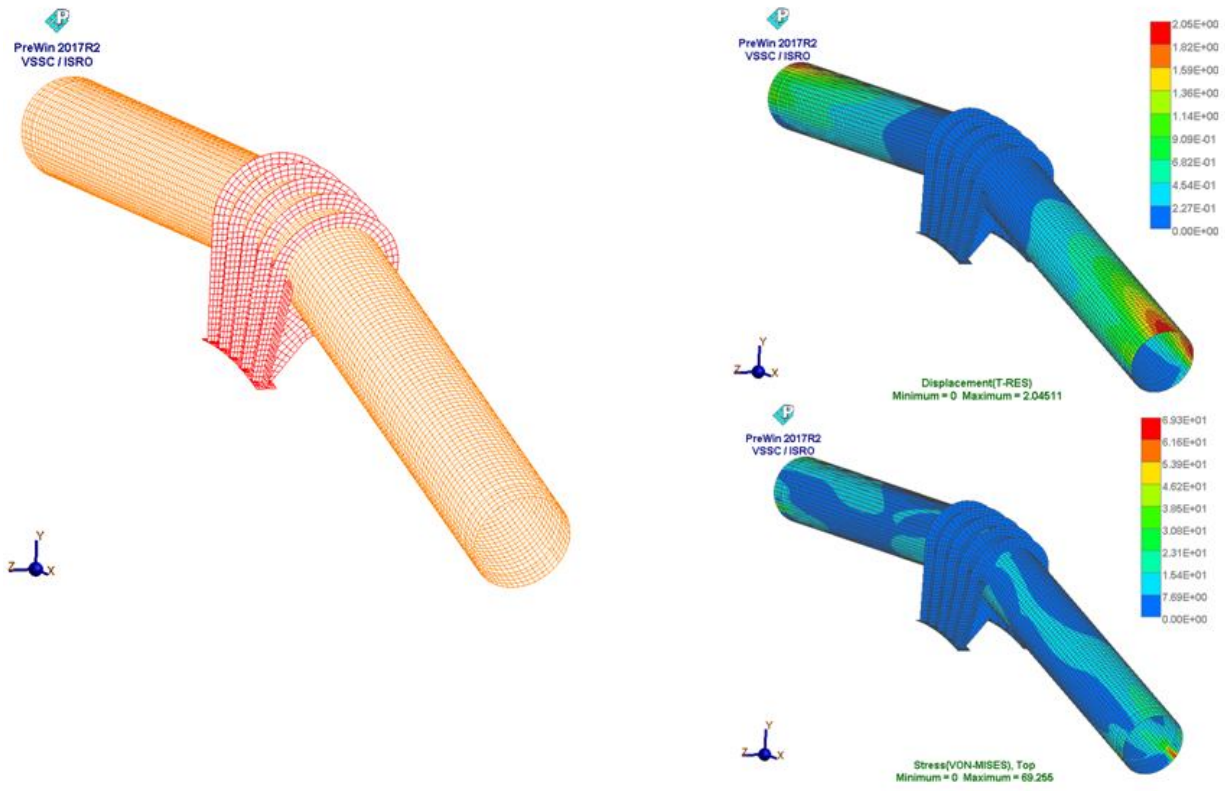


## Static analysis of a typical penstock pipe



**Material property :**  $E=200GPa, \nu = 0.3$ , Specific gravity = 37.555

**Element types :** Quadrilateral shell

Finite element statistics	Number of elements	Number of Nodes	Degrees of freedom
	13902	13897	78252

FEAST <sup>SMT</sup>	
Displacement, <i>mm</i>	2.05
von - Mises Stress, <i>Mpa</i>	69.26