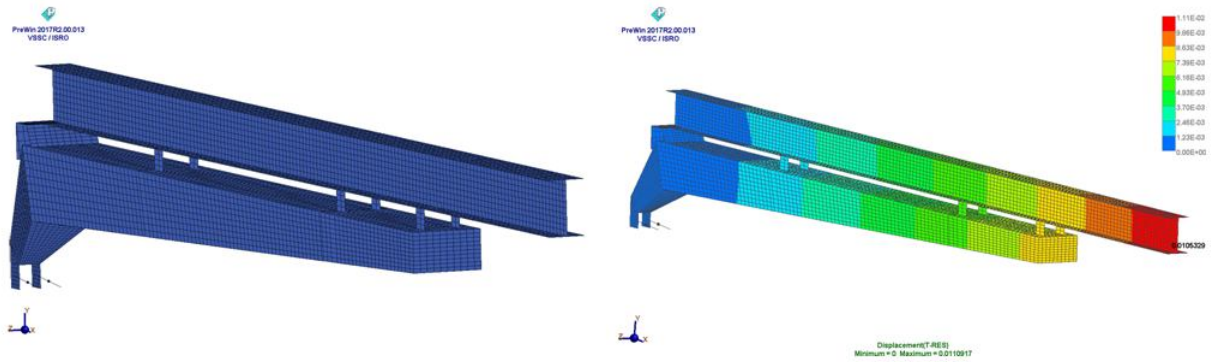


Static analysis of a typical launcher



Material property : 1. $E=210 \text{ GPa}, \nu = 0.3$, Specific gravity= 7.85

Element types : Quadrilateral shell, Spring

Finite element statistics	:	Number of elements		Number of nodes	Degrees of freedom
		Shell	Spring		
	:	8722	2	8872	53198

Displacement at locations, <i>mm</i>				
	D1	D2	D3	D4
Test	10.80	6.85	2.90	0.34
FEAST^{SMT}	10.80	6.70	3.10	0.40