

EN-CV: SciFi plant integration

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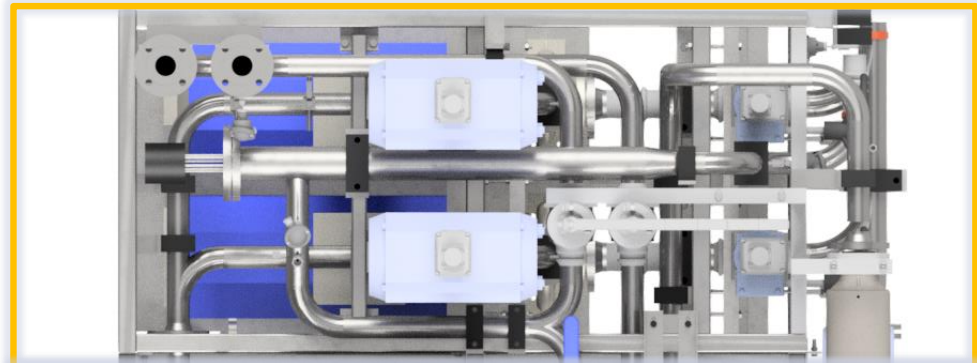


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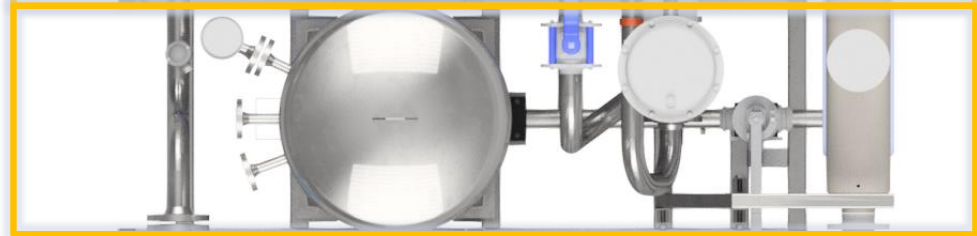
The cooling plant

The plant is composed of three frames

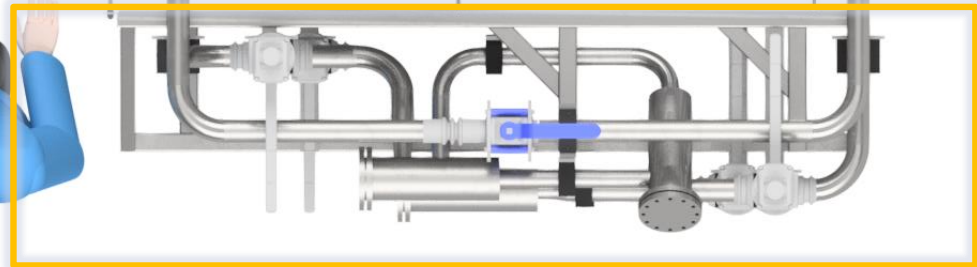
Pump Frame



Tank Frame



Filters Frame

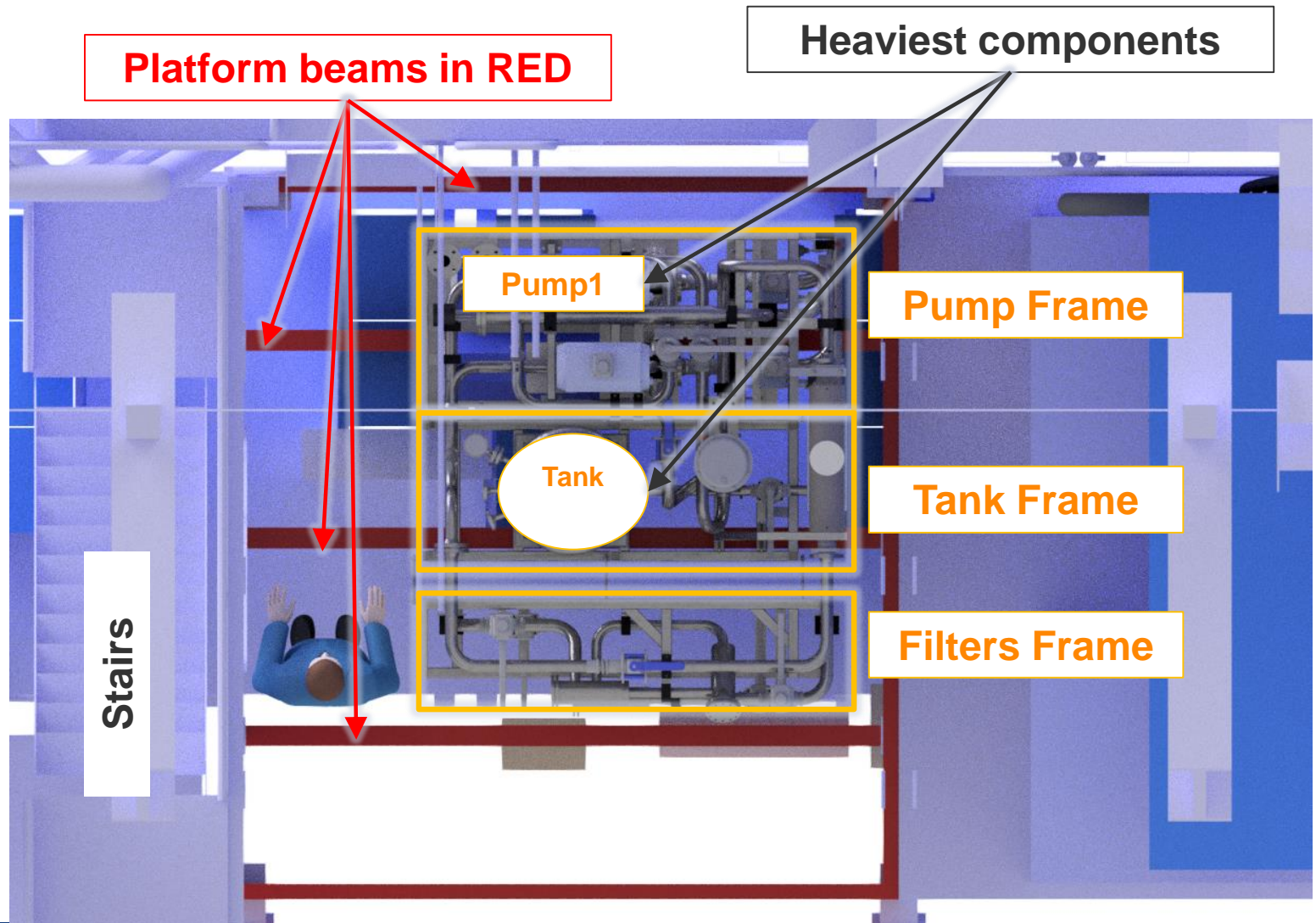


Weight estimates of the frames

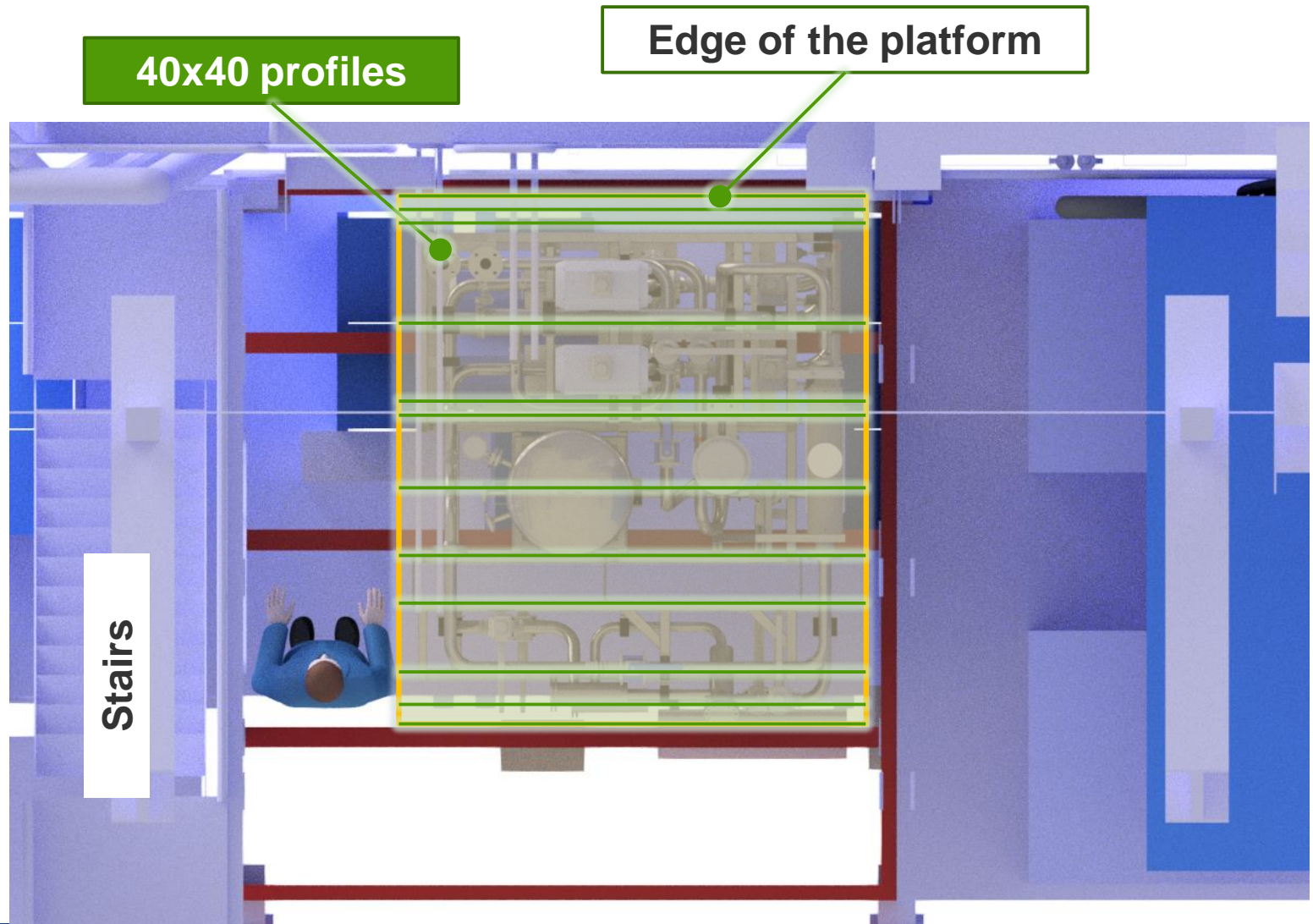
Heaviest components

| | Estimate | |
|-----------------------|---------------|--|
| | [kg] | |
| | ColdBox | 500 Inventor PIR foam estimate + 35% |
| Pump Frame | 977 | |
| | Pumps | 126 2x Pump MPump weight |
| | Pumps motors | 145 2x motor Estimate between CPpumps+ABB160 |
| | A.E.V Valves | 253.6 2xDN50+2xDN65+2xDN50pneu |
| | Heater | 12.1 Vulcanic weight without case |
| | Flowmeter | 64 OPTIMASS weight |
| | Frame | 360 estimate |
| | Piping | 16 12m SS DN50 1.8mm thickness |
| Tank Frame | 799 | |
| | Tank | 130 Inventor estimate 308 litres tank |
| | Fluid in tank | 536 308 litres tank |
| | A.E.V Valves | 37 1xDN40 |
| | Frame | 80 estimate |
| | Piping | 16 12m SS DN50 1.8mm thickness |
| Filter Frame | 327 | |
| | Filtre cases | 72 12kg/case |
| | A.E.V Valves | 89.2 4xDN50 |
| | Frame | 150 estimate |
| | Piping | 16 12m SS DN50 1.8mm thickness |
| | Margin [%] | 20 For flanges,sensors and other components |
| Total ESTIMATE | | 3124 kg |

Position of the plant on the platform (Shown without the COLD BOX)



Position of the plant on the platform



Position of the plant on the platform

