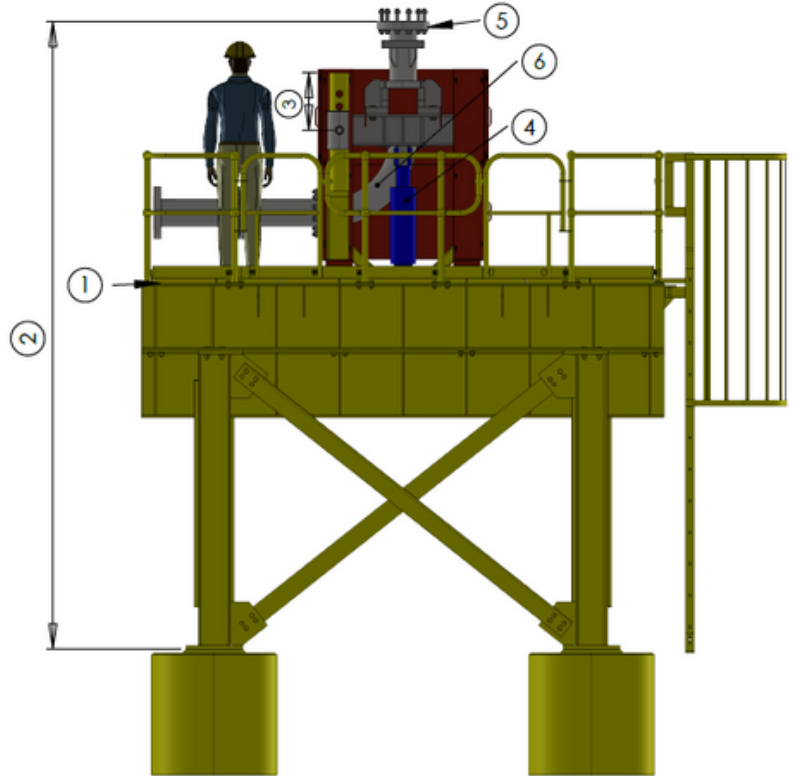
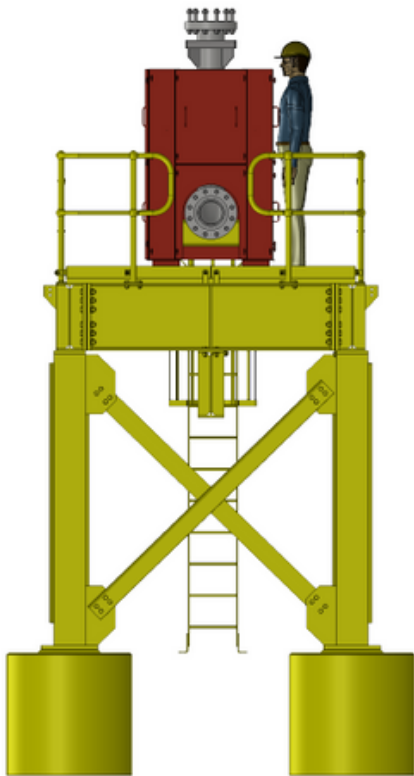


CASING SUPPORT SYSTEM



SMART, SAFE, WELL-SAVING TECHNOLOGY

Allegiant Solutions' Casing Support System is a safety measure/secondary retention system for wells that are at risk of becoming worn to the point that the load exceeds the tensile capacity of the worn area. The entire Casing Support System is adjustable to suit different load and site conditions (including different pipe diameters and jointing systems) and is modular to allow for easy transport underground.

Finite adjustment and hydraulic cylinders are also installed in order to manually prime (with a hand pump) to a desired pressure which lifts up the assembly until a desired load is supported to reduce load off the wellhead. There are a number of options for the system outlined below:

Option 1 (pictured): designed for initial adjustment and then remains static in a loaded position.

Option 2: As above but remains dynamic in a loaded position and floats with thermal movement of the casing string.

Option 3: Dynamic catch system to reduce the gravity factor in the event of a tensile failure of the string thus reducing the sizing of the framework required for the support system.

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KEY ELEMENTS

1. Elevated work platform to enable safe inspection & maintenance on high wear zones.
2. Customisable height to allow for site specifics.
3. Locking position after finite adjustment and pre-loading of string.
4. Manually primed hydraulic cylinders for pre-loading of string.
5. Customisable connection points - flanged or grooved.
6. Easily replace spools such as elbows from high impact/wear zones.