

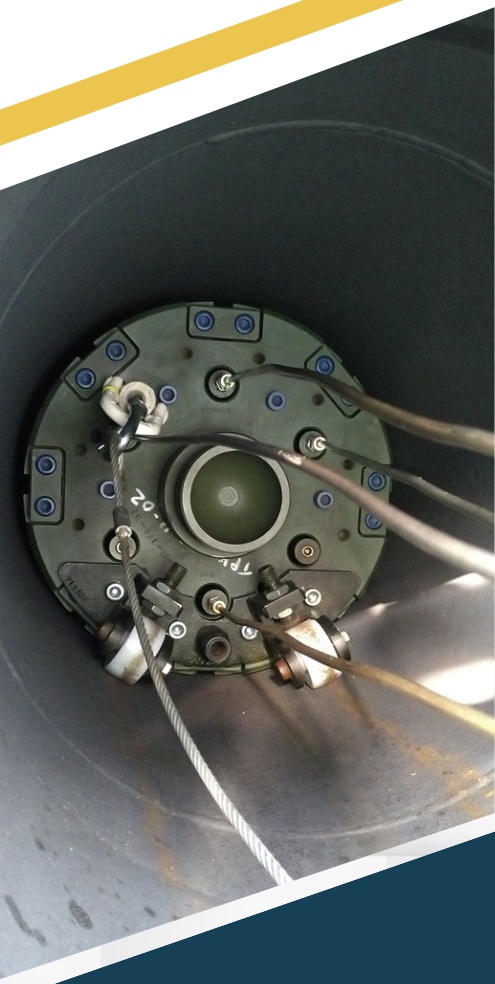


ASSET
INTEGRITY

MAXIMIZING UPTIME

BARRIER/ WELDING PLUG

MAXIMIZING UPTIME



51 73 11 60



www.assetintegrity.no

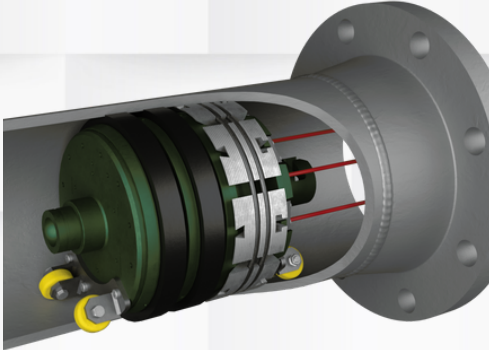


contact@assetintegrity.no



BARRIER/ WELDING PLUG

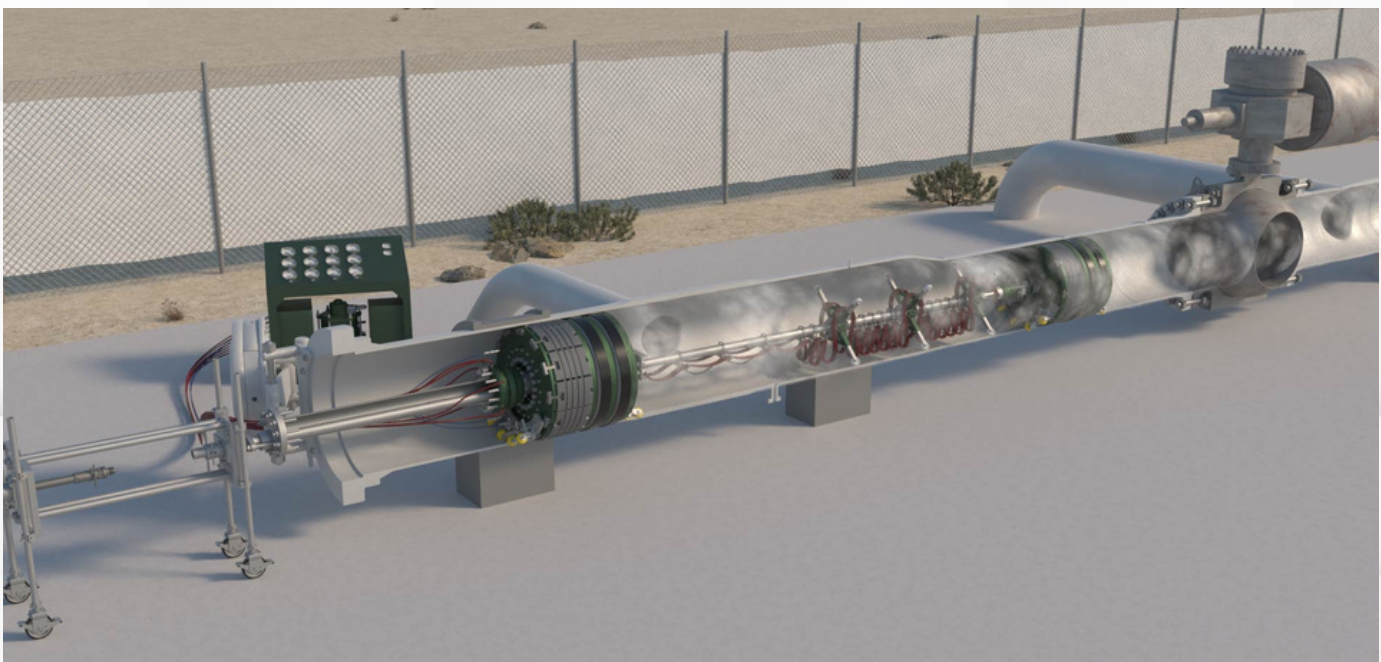
POSITIVE PRESSURE BARRIER TOOL



- **Conforms to ARIS - R-109501 - Approved mechanical barriers - Mid & downstream**
- **Reduce the need for splitting** and installing spectacle blind/spade at pipe system
- Reduces time spent for cleaning and purging pipes
- **Reduces lifting** and associated risk in projects by eliminating need for installation of blind spades/flanges

- For pipelines from **3/4" to 54"** in DNV-approved design for hire
- **Fail safe** double block design
- **Self-energizing** - self-activating by differential pressure
- Up to **230 bar** design pressure
- Can be installed horizontally, vertically and inclined
- Compact design
- Can be located close to welding area
- **Training can be provided** to reduce need for third party personnel

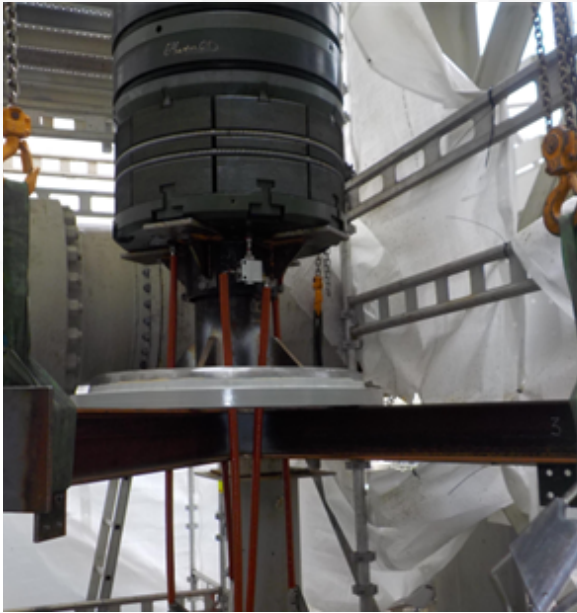
MORE INFO



CASE STUDY 30" BARRIER PLUG CRUDE OIL

Asset Integrity was challenged by an operator to provide a **safe barrier in a 30" pipe** on a process plant in Norway. The job was to be done on a vertical section, and plug had to be positioned **close to the welding point**.

With a special manufactured lifting frame for plug and flange, Asset Integrity helped the operator company **save more than 10 days** of loosening of supports, splitting of flanges, spading, heavy lifting and cleaning of pipes. The operation was conducted in a safe manner, on time, saving the customer from an unnecessary complex operation and downtime while reducing overall risk and with **significant cost savings**.



CASE STUDY 20" BARRIER PLUG HP GAS LINE

On a large modification project on a gas plant, Asset Integrity supplied barrier plugs for 6 pipelines where the plugs were the second barrier on **gas pipes operating above 200 bar**. Manometers were connected to the plug and mounted in safe zone so that the supervisor could **monitor potential buildup of pressure in the pipeline** in front of the plug in case of leaking valve in the pipeline. With the **fail-safe DNV-approved plug**, the customer could be sure that if their first barrier failed, they would **have time to safely shut down the welding operation**. Supervisor could also always check the integrity of the dual seal configuration as overpressurized water was pumped between these, and monitor the internal hydraulic pressure of the plug to make sure it was safely set at all times. The use of the barrier plugs led to significant costsavings, lowered risk in the project, and **maximized uptime** for the plant.

