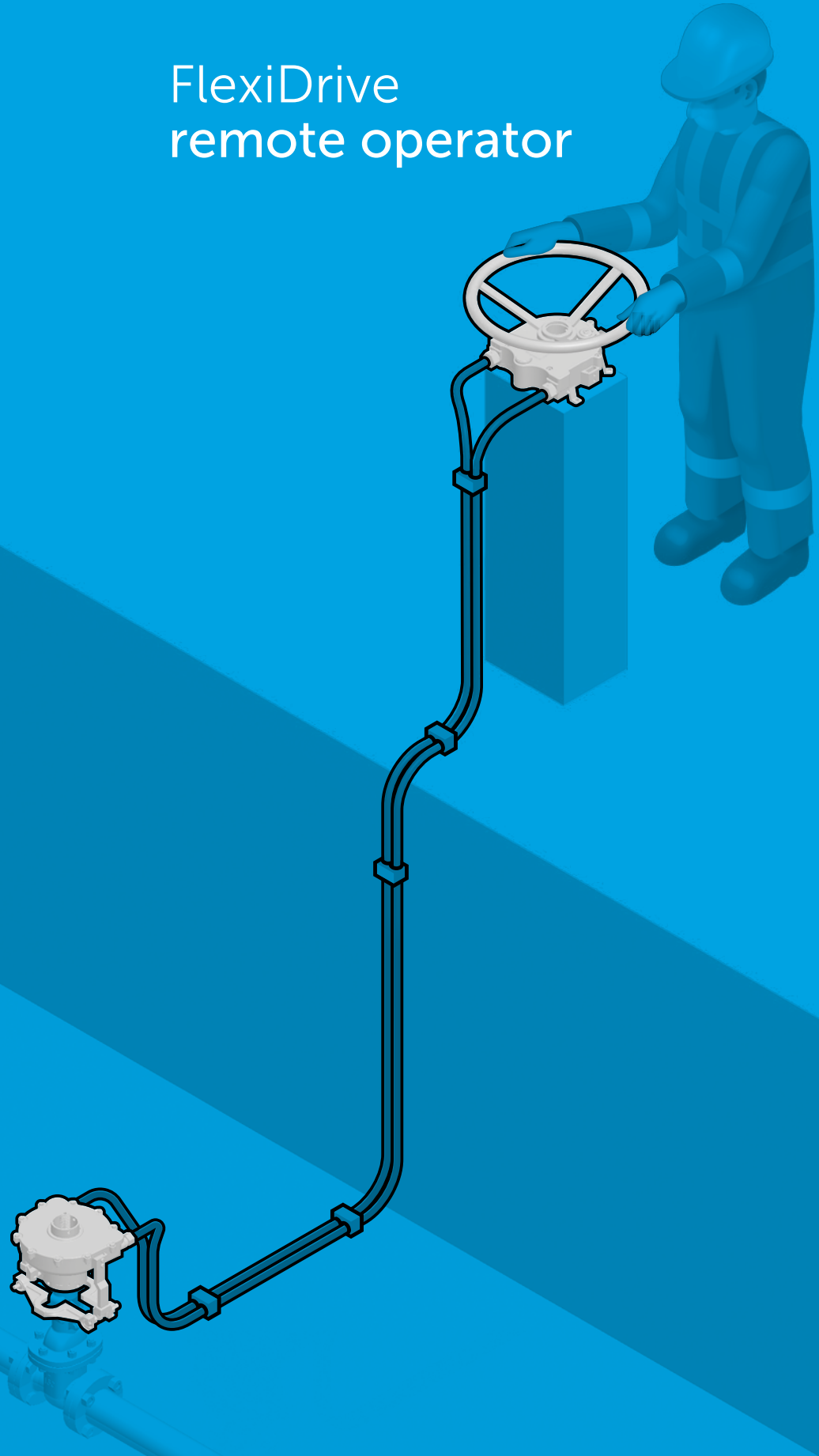




**sofis**

valve operation

# FlexiDrive remote operator



# Safe operation of your inaccessible, hard-to-reach manual valves

FlexiDrive remote operator offers safe operation of your hard to reach valves. By positioning an operator station away from your valves, you can work valves that are above, below, immersed or in tight and confined spaces.



An operator station is placed up to 30 metres away from your valve...



A valve station is fitted to a valve via a bespoke anchor and adaptor...



Torque is transmitted through a cable to drive your valve.

## Ensure safe operation of hard-to-reach valves

Your manual valves are sometimes difficult to reach, or positioned in inaccessible, hazardous locations or with confined entry points. Direct access could prove dangerous. Using FlexiDrive, you can now operate your valve from an accessible location, without compromising safety.

## Reduce costs by avoiding dedicated actuators

To operate valves in the most extreme, challenging locations, a dedicated actuator may seem like the only option. However, by simply installing a FlexiDrive, manual valves can be operated efficiently and effectively. This comes at a fraction of the cost of permanent dedicated actuators.

## A simple and effective method of valve operation

You may have to climb up, under and around pipework. Alternatively, scaffolding may be required, which can take time to organise and install. A scissor lift could be used, but these have costly hire charges. Ladders are another option, but these carry their own safety risks through trips and falls. FlexiDrive simplifies your valve operations by removing the need for any of the above.

*'FlexiDrive enables you to operate a valve from an easily accessible and safe location.'*



# FlexiDrive Models

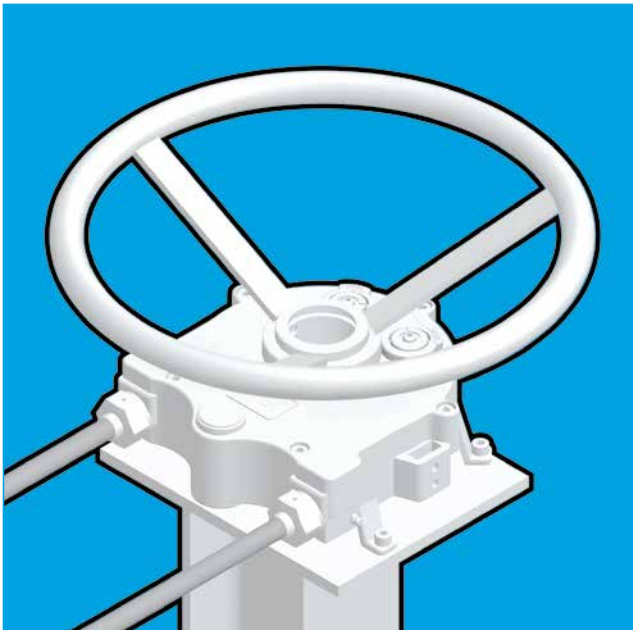
FlexiDrive is adaptable to almost any handwheel or lever operated valve. Casted in 316 stainless steel, it is suitable for the most extreme operating environments. As a fully mechanical system it requires no specific infrastructure and only minimal maintenance.



*'FlexiDrive remote operator is adaptable to any conventional valve, handwheel or lever operated.'*

## Operator station

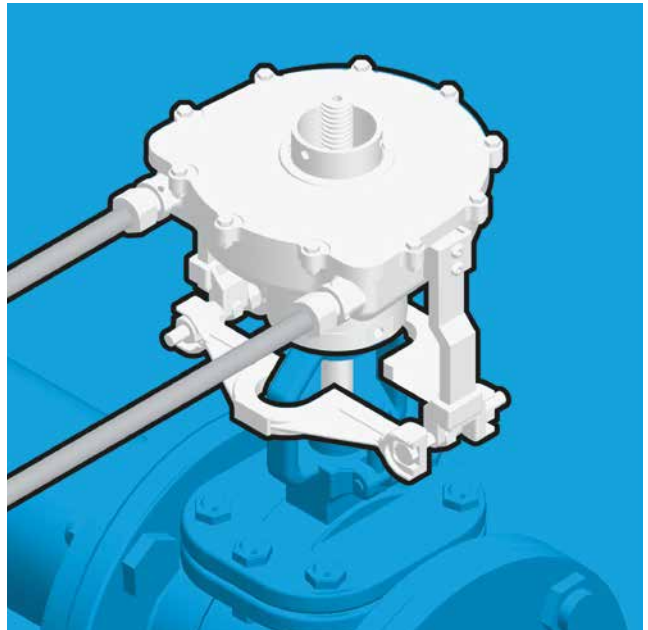
Depending on the maximum breakout torque of your valve, there are different options available to you. FlexiDrive can accommodate up to 540° of bend in the cable run and your valve can be operated from up to 30 metres away. The operator station can be mounted to a wall, rail or pedestal for operational convenience.



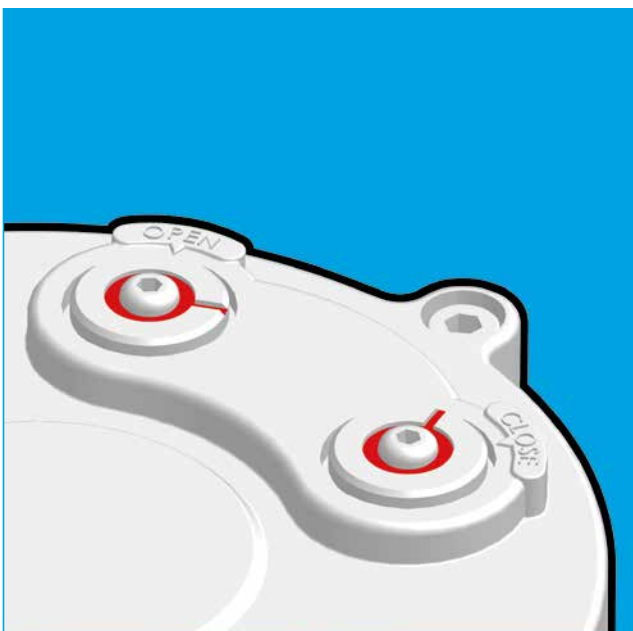
Operator station

## Valve station

The valve station is fitted directly to the valve using a purpose designed mounting kit. It can be optionally supplied with a handwheel or lever for local operation. A submersible valve station for installation on valves below water or in potentially flooded areas is optionally available.



Valve station



Position indicator

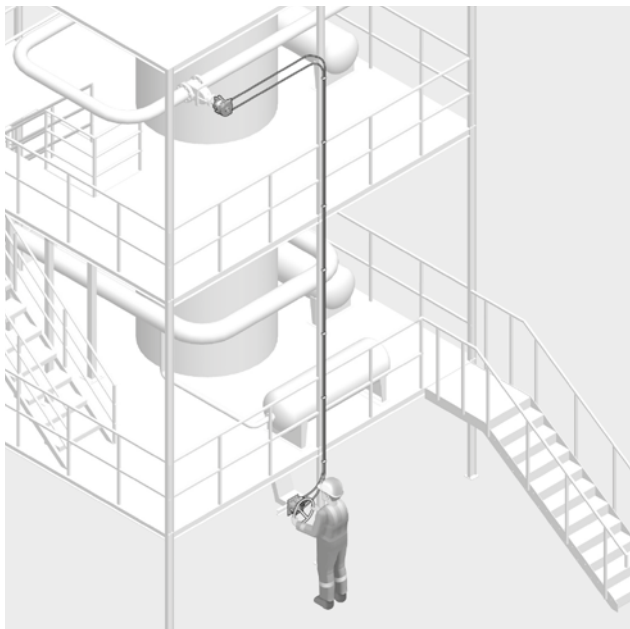
## Position indicator

There is a visual position indicator at the operator station, so you can quickly and easily determine the position of your valve.

# Applications

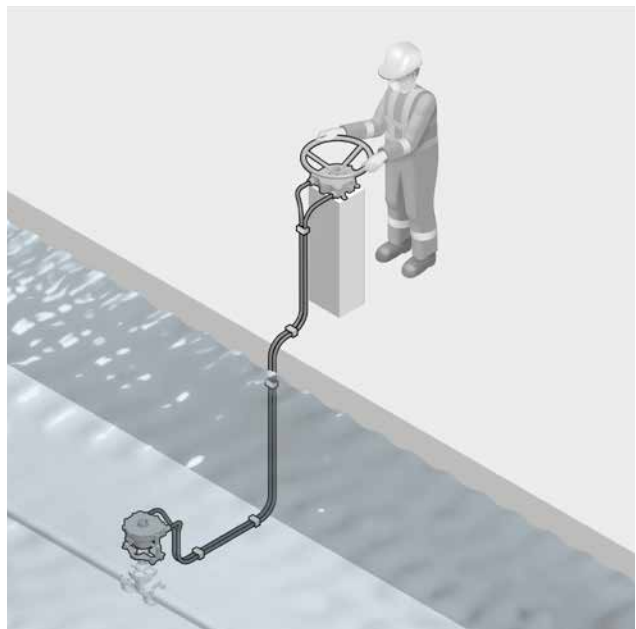
## Valves in remote or hard to reach places

- You can position the operator station up to 30 metres away from the valve at your preferred location.
- This can be on the same level, directly above or under, adjacent or parallel as the cable can facilitate bends.
- The cable can run alongside walls, pipework or any of your existing plant infrastructure.
- Can also be used for confined entry points.



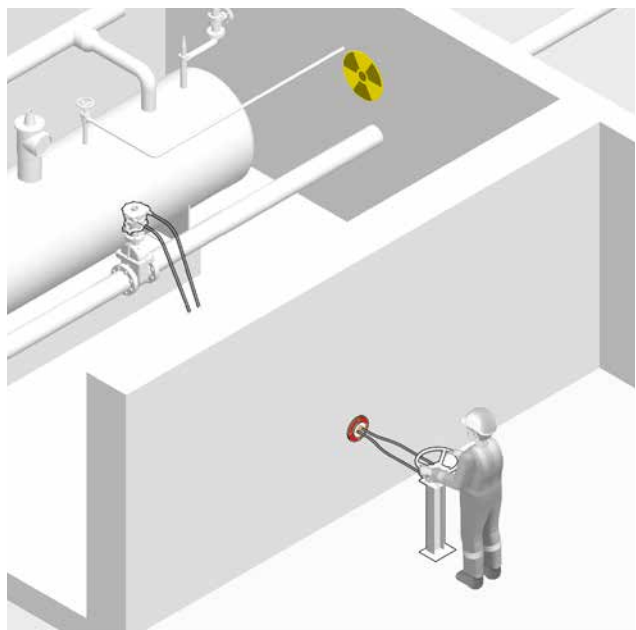
## Valves in submersed pits

- With the submersible FlexiDrive version you can operate your valves from ground level, without the need to enter a flooded pit or any other body of fluid to gain access to your valve.
- The submersible valve station can be installed up to 20 metres deep in water.
- FlexiDrive can be used to protect compartments liable to flooding.



## Valves in hazardous locations

- FlexiDrive can be passed around and through walls and floors to reach your valve using bulkhead seals.
- The valve station resists zone temperatures between - 30°C and 175°C.
- Seismic tested and also fireproofing options available.



# Experience

FlexiDrive remote operator is a cost effective, safe solution to your hard-to-reach manual valve operations. It is used globally by major end users to protect their operators and to maximise efficiency during valve operations.



NESTE OIL



ExxonMobil

Smith Flow Control and Netherlocks Safety Systems have merged. We are Sofis, the leading valve operation specialists. With our combined expertise we offer smart integrated solutions to optimise valve operation. Our products help create a safer and more efficient working environment and are often regarded as the industry standard. We work closely with our customers and provide simple and reliable solutions.



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