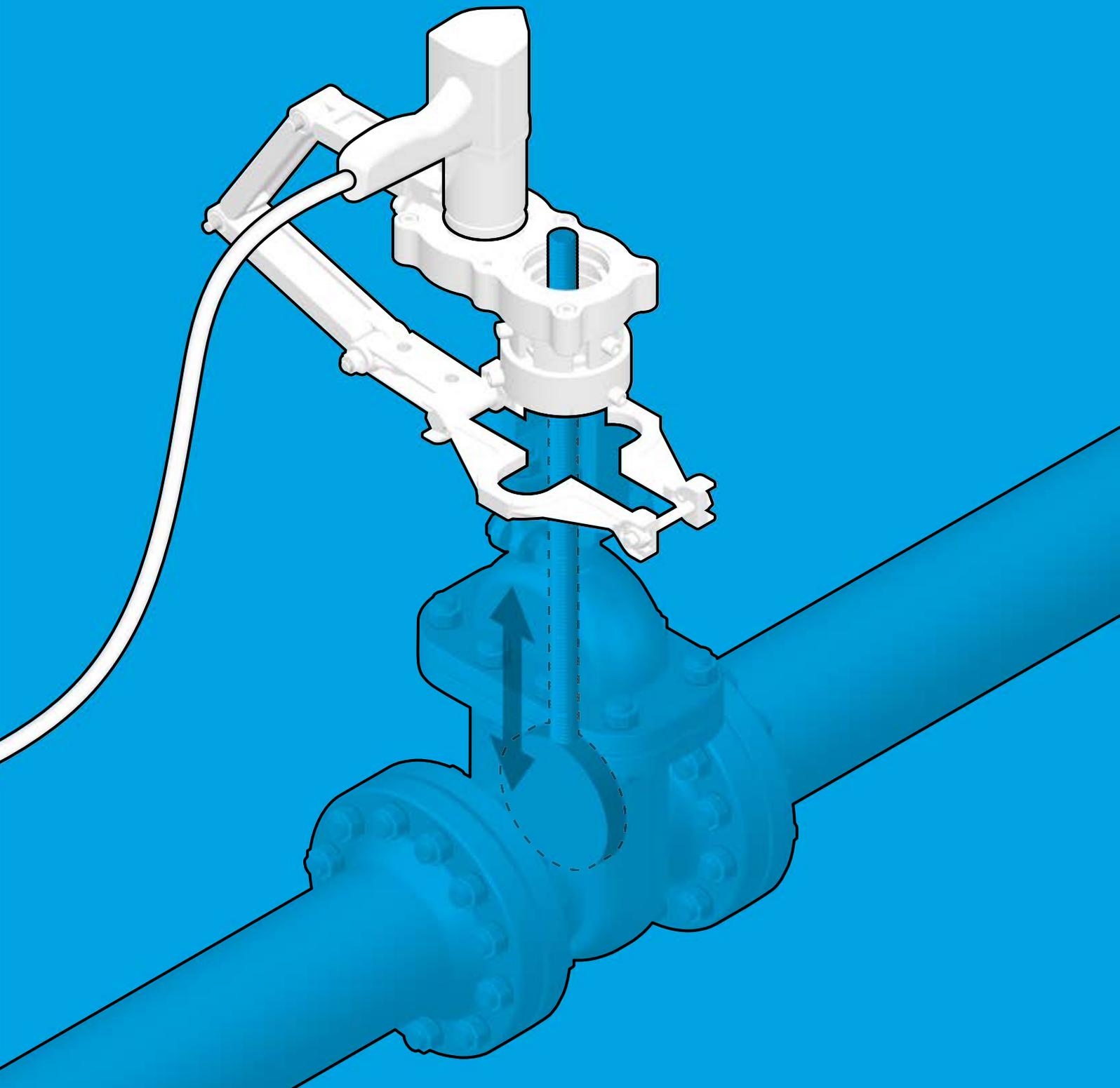




sofis

valve operation

EasiDrive portable actuator



User-friendly actuation in the most cost-effective manner

The EasiDrive portable actuator offers full actuation of all your hard to operate and time-consuming valves without the need for expensive, dedicated actuators.



Pre-install bespoke mounting and reaction kits to your valves...



...carry your portable drive tool in to the field...



...and operate your valves with ease.

Reduce investment costs by saving on actuator capex

By fitting low-cost mounting and reaction kits to your manual valves, you can operate them all with a single EasiDrive portable actuator. EasiDrive doesn't need a dedicated power supply or to be connected to your plant automation system, meaning it's a very cost-effective alternative to multiple stand-alone actuators.

Easy to use, lowering fatigue and risk of injury

When using EasiDrive, you are protected from any potential reaction force. Impact is fully absorbed through its bespoke reaction kit. This reduces the risk of back strain and muscle damage. Also, by eliminating the high levels of physical exhaustion suffered by operating high-torque or high-rotation valves, general fatigue is limited, allowing you to maintain higher levels of concentration in your work.

Maximise efficiency during valve operations

EasiDrive is a lightweight, portable tool, which you can easily carry in to the field. It can be operated with minimum stress and strain, allowing you to maximise your time and efficiency on site. The EasiDrive portable actuator allows you to open or close any type of valve within minutes. It even takes the pain out of operating tight or partially-seized valves.



Chris Erza, Operations Manager, Oiltanking, Dubai

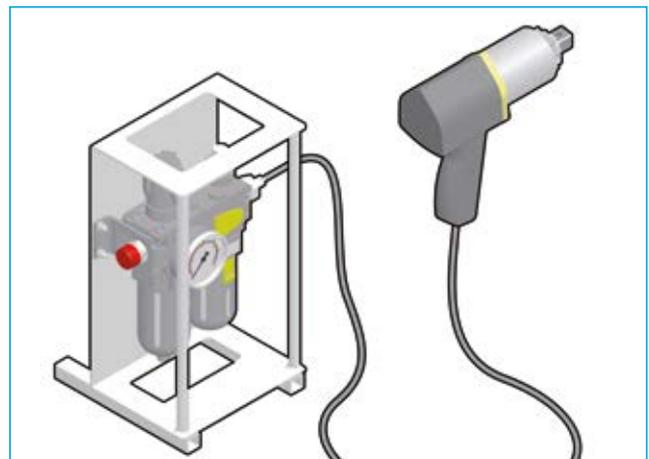
'We have several big manual valves that are difficult to operate. It becomes a strain to operate valves manually, coupled with working in the extreme heat. We were looking for another way to operate these valves in less time, with less effort and lowering injury risk. EasiDrive was the solution to our issues.'

EasiDrive Models

The EasiDrive portable actuator, with its adjustable torque setting, is suitable for all climatic conditions. It is available in two variants and powered either by connection to the plant's air system or an electricity source.

Pneumatic

The pneumatic torque tool is connected to the compressed air system at your plant. The tool is operated with a Filter Regulator Lubrication (FRL) Pack. This preserves your torque tool and ensures it operates at maximum efficiency. You can simply limit the torque output by adjusting the input air pressure at the FRL. The tool is supplied with a standard hose length of 3 metres. A backpack to carry the torque tool and the FRL can be additionally purchased for your convenience.



Pneumatic specifications

| | Air consumption | Maximum air pressure | Free-speed | Minimum torque | Maximum torque |
|------|----------------------|----------------------|------------|---------------------|---------------------|
| ED1 | 1140 l/min 40 cfm | 7.2 bar 104 psi | 290 RPM | 20 Nm 15 ft-lb | 100 Nm 74 ft-lb |
| ED5 | | | 55 RPM | 80 Nm 59 ft-lb | 500 Nm 369 ft-lb |
| ED10 | | | 30 RPM | 150 Nm 111 ft-lb | 950 Nm 701 ft-lb |

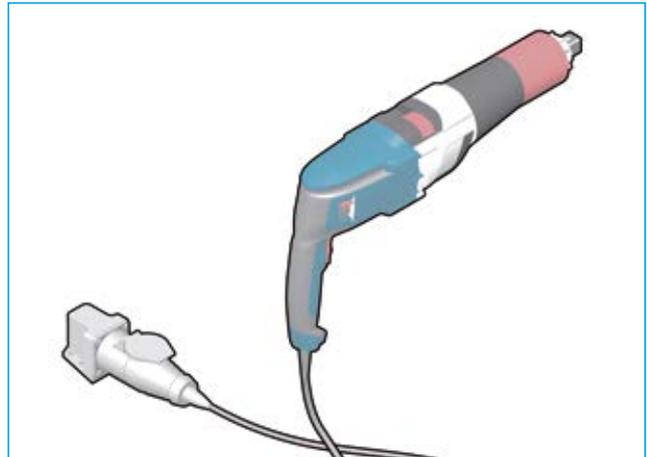


George Canare, Senior Operator, Oiltanking, Dubai

'When manually operating valves, we need to take turns operating each valve and have to take frequent breaks, because it can be so tiring. With EasiDrive, we can operate a valve alone as it removes all the stress and strain. It is so easy to use and much quicker than manual operation.'

Electric

The electric torque tool is supplied as a 110V AC or 240V AC unit (50/60Hz). Using dials on the tool, you can select the required output torque. The tool is connected to a local electric point for operation. The torque tool is supplied in a hard carry case.



Electric specifications

| | Motor input power | Motor output power | Free-speed | Minimum torque | Maximum torque |
|------|-------------------|--------------------|------------|---------------------|---------------------|
| EDE6 | 850 W | 480 W | 21 RPM | 150 Nm 111 ft-lb | 550 Nm 406 ft-lb |

Mounting and reaction kit configurations

To select your preferred kit:

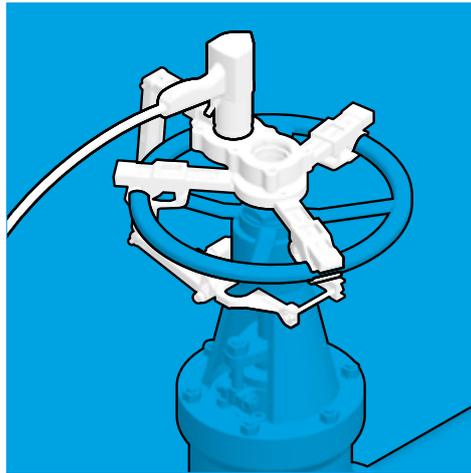
1. Check whether your valve has a rising stem.
2. Determine whether you want to retain the original handwheel for manual valve operation.

Rising stem offset gearbox

- Without handwheel



- With handwheel

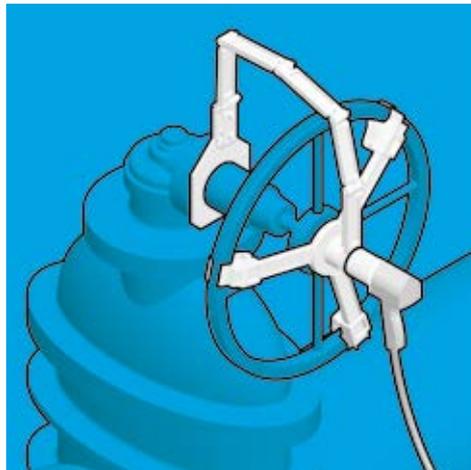


Gearbox direct drive

- Without handwheel



- With handwheel



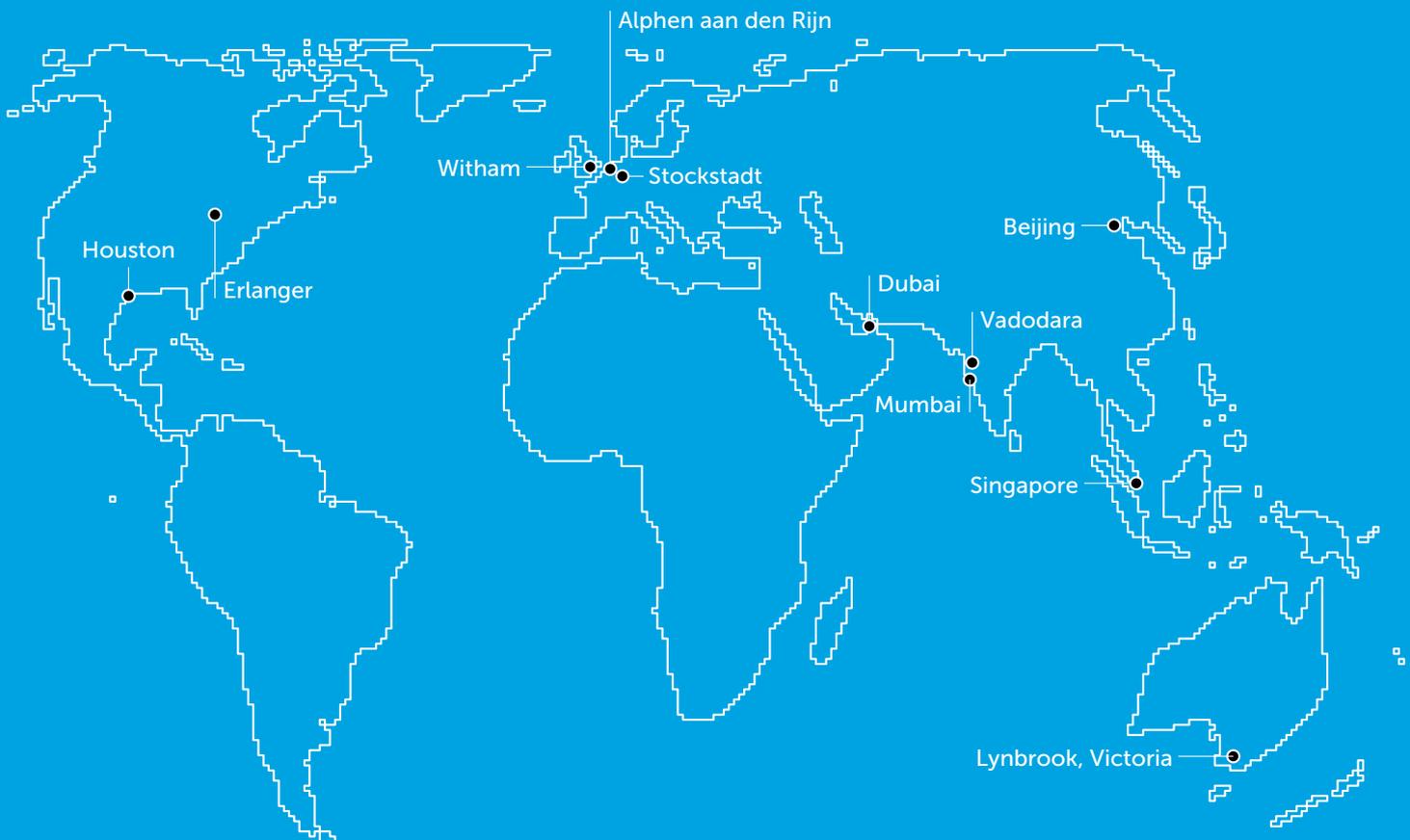
Experience

The EasiDrive portable actuator is a cost effective alternative to dedicated valve actuation. It is used globally by major end users to protect their operators and to maximise efficiency during valve operations.



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.

We are smarter together.



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