## A component journey

## **Controlling the flow – Gate valve**

Gate valves and seats are used in the oil & gas industry to control the flow of oil-containing fluid extracted from the reserve. Within the well, pressures may be in excess of 15,000psi (or 6.5 tonnes per square inch) combined with high temperature. Such an extreme environment requires high performing components and reliable surface coating treatment. Bodycote applies a tungsten carbide coating to the valve and seat to provide a metal-to-metal seal that is highly wear and corrosion resistant.



Denotes the parts of the component journey undertaken by Bodycote



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