EDGE Successfully Delivers Specialised Machined Oil & Gas Component for Weatherford International



- EDGE Group entity, EPI, successfully delivered an intricate drilling tool to Weatherford, for use within the oil & gas industry

Abu Dhabi, UAE: 5 October, 2023 – EPI, the cornerstone of precision engineering in the UAE's aerospace, oil & gas, and defence industries, today announced their successful completion and delivery of a highly specialised oil & gas Logging While Drilling (LWD) tool for Weatherford International, one of the world's largest, multinational oilfield service companies.

The announcement comes during the ongoing Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC), held until 5 October at the Abu Dhabi National Exhibition Centre (ADNEC).

The drilling tool, successfully manufactured in the UAE, is made from the 'Superalloy' Incoloy 625, and spans 4.75 metres. The LWD tool has intricately machined sensor cavities, angular ports, a laser cladding coating, and localised shot peening, improving operational fatigue.

The tool is complete with highly geometric features, which required extreme accuracy and exceptionally precise engineering, including machining four and five axis slots and pockets, shot peening and burnishing, as well as exotic materials laser welding and machining.

Michael Deshaies, EPI CEO, said: “The delivery of this drilling tool to Weatherford not only highlights the remarkable capabilities of our team, but also EPI’s commitment to furthering precision engineering in the UAE. As we recognise this accomplishment, we are proud to be pushing the boundaries of UAE precision engineering capabilities for our regional oil and gas industry. EPI remains dedicated to providing cutting-edge, bespoke machining solutions and looks forward to further supplying highly specialised parts to our partners in the oil and gas industry.”

EPI manufactures high-quality complex engineering components for the defence, aerospace, and oil & gas (O&G) sectors and is equipped with advanced capabilities and cutting tools to carry out manufacturing engineering, machining, surface treatment, coating, repairing, and assemblies. EPI is part of the Platforms & Systems cluster within EDGE, one of the world’s leading advanced technology groups.