

PT AXON INSTRUMENTS

Dave McLaughlin

Dave is Director and Lead Design Engineer for PT Axon Instruments, an Indonesian based IT design and consultancy firm, offering electronic project engineering, technical consulting and software services.



PT Axon Instruments supports a number of high profile Oil and Gas Industry companies. National Oilwell Varco, Halliburton, Baker Hughes and Weatherford, to name a few in the South East Asia region, are all Axon Instruments clients. The service provided to these companies is primarily Sales and Support for equipment control and data monitoring systems. Axon Instruments supports system installations in a number of the countries in this region, including Thailand, Malaysia, Brunei, Singapore, and Australia and locally in Indonesia. Axon Instruments' technical support also extends to clients in the Middle East and the USA.

Dave's is not only the Director of PT Axon Instruments, but also has the responsibility of being the primary design engineer for both hardware and software development.

What started out as hobby projects for Dave, have developed into a career in the design of control system software and hardware. He is experienced in application design for Windows CE based devices and has designed an "in car" computer system. Through his knowledge of remote communications, Dave has been able to build sophisticated subsea tooling control systems, some of which are in operation today, worldwide.

His experience spans some 20+ years in the area of remote control applications. He originally trained as a Submersible Engineer in the Remotely Operated Vehicle (ROV) industry in the UK during which time he worked on a replacement control system for the Scorpio ROV. Dave gained further expertise working for a number of years as a design engineer specializing in Vehicle Telematics. Dave's initial knowledge of Oil and Gas applications started in the UK with a local Aberdeen company providing software for a remote monitoring system for oil wells and later in Indonesia where he was sent to setup and install remote systems.

Dave established and managed PT Axon Instruments in Indonesia for the European based Mother Company and went on to take over operation of the company in Jan 2009. Axon Instruments continues to support the previous clients and both Dave and Axon Instruments have the respect, support and acceptance of clients as a reliable company for the sales and support of control systems. The skills gained in servicing the Oil and Gas sector have now been expanded to cover all forms of remote operation and monitoring devices. These new sectors include, the power and construction industry, maritime monitoring and tracking and municipal infrastructure.

Dave has the excellent communication skills required to work closely with his clients to achieve the right product, at the right price and specifications, for every undertaking. Dave's direct involvement in the project design and build phases ensures that the delivered system is fully understood, documented and supported.

Dave's wide ranging experience, ability to adapt to new environments and work with limited information ensures he is able to get systems working reliably for every client.

Dave's hobbies are closely matched to his work experience and he actively enjoys the creation of unusual electronics and software designs and this led to the initial design of his home automation system. His current projects learning to programme Android based phones. He never stops to learn new technology and always has his nose buried in a technical book or reading up on the latest designs on the internet.