About Salunda

With decades of experience in sensor design for the harshest of environments, Salunda is a trusted partner for the delivery of solutions monitoring equipment and fluids.

Initially established to commercialise technology coming out of Oxford University, Salunda has a portfolio of over 30 patents for the detection and characterization of fluids and solids. Our technology has been proven in highly demanding aerospace, oilfield and motorsport applications.
Our Mission

Our mission is to improve operational efficiency by supplying our customers with monitoring solutions that feature excellent stability at extremes of pressure, temperature and salinity, combined with a superior lifetime and reliability. Our equipment and fluid monitoring solutions are non-invasive, contactless and have no moving parts.

Our business is comprehensively customer-led, so customer satisfaction is extremely important to us. Our engineers and scientists invest time consulting with our clients, and frequently travel to their sites in order to adapt our solutions to their requirements.
Latch Hawk

Oil and Gas operators are increasingly determined to eliminate unsafe practices during drilling. The handling of tubulars during drilling operations can result in potentially catastrophic dropped pipe incidents.

Meanwhile, with the daily, cost of offshore drilling frequently exceeding $500k, downtime arising from an incident incurs massive costs and huge contractual penalties. Latch Hawk is a safety barrier designed to prevent these accidents, minimise NPT and safely accelerate drilling operations.
Latch Hawk is versatile and can be retrofitted to a wide variety of fingerboard latches and wired into the control system to serve as a safety barrier. The feedback Latch Hawk provides prevents dropped pipe incidents by ensuring handling equipment remains engaged until the latch is safely closed.

Latch Hawk’s directly measures latch position, avoiding the errors of approaches based on indirect measurements. Latch Hawk detects the latch position by using a sensor array that scans latch surfaces. Originally developed to monitor jet turbine blades, the technology is highly robust and stable.

See [www.salunda.com/latchhawk](http://www.salunda.com/latchhawk) for more details.
About Diesel Prove

Diesel fuel quality can vary greatly. It is increasingly important to understand what diesel blend you are buying. Some fuel blends can do permanent harm to marine engines, production equipment, generators and vehicles. Up to 80% of engine problems stem from poor quality or contaminated diesel. Diesel Prove is a tough, hand-held screening tool that can measure levels of biodiesel in diesel as well as spot impurities such as vegetable oil, white spirit and water to prevent these potential damages from happening.
High biodiesel blends can cause oil ‘gelling’, injector deposits, blocked filters and seal degradation, ultimately shortening your engine life.

Issues experienced range from poor running and smoking, or filter, seal and injector failure to even complete engine failure. Thus potential repairs costs range from a $300 injector repair to $100,000s for a complete engine replacement.

This combined with potential plant and machinery downtime costs to shipping, mining, agricultural and oilfield operations could run costs into $100,000s.
OEM Solutions

Minute changes in shaft motion can be used to diagnose machine health. Patented technology from Salunda can be used to detect changes in motion of less than one micron. This highly flexible sensor technology is packaged into custom formats and used to scan critical parts inside rotating machinery such as shafts for wear characteristics such as axial shift, vibration and speed. Salunda's sensor technology was initially used to monitor turbine blades inside jet engines, as such it has been proven to withstand high shock, vibration and temperatures of over 1,000°C.
Stability is a key feature, sensor results are unaffected by changes to temperature, surface contamination, EMC or debris.

Comprises three components: a sensor probe mounted within range of its target (e.g. shaft, rotor, piston or valve stem), a module housing signal conditional electronics and interfaces and a hugely flexible connecting cable allowing you to mount a passive probe in extreme conditions and remotely connect to electronics via an industry standard cable (coax or twisted pair) hundreds of meters in length.

See www.salunda.com/OEMsolutions for more details.
Our Team
One of our priorities is a strong investment in tools and skills. Our team are equipped with the latest in test equipment and machinery and wherever practical we ensure our engineers are fully trained in new technology. We cooperate as a team and apply attention to detail in order to, expose problems and then overcome obstacles with agility. Crucially, our primary focus is on the customers themselves, all members of staff expect to spend a considerable amount of their time consulting with our clients, frequently travelling to their locations to adapt our product and provide technical support.

Chris Harris
Chairman
Chris has over 25 years’ experience of leading high technology companies within the UK, US and Europe. Chris has a BSc in Physics from the University of Oxford as well as a PhD from Imperial College. He currently holds the role of CEO at YASA Motors.

Alan Finlay
Chief Executive
Alan has spent 15 years commercialising technology, including his role as co-founder and CEO at Microsaic Systems, where he conceived and launched the world's first chip based mass spectrometer products and eventually led a successful IPO exit. Alan has a MEngSc in Engineering from University College, Dublin.
David Richardson  
Finance Director

David has over 20 years’ industry experience, including with AstraZeneca plc and Evotec AG. David is an excellent qualified Chartered Management Accountant and Chartered Treasurer (ACMA, ACMT).

Russell David  
Head of Operations

Russell brings over 30 years’ worth of experience of product development in instrumentation and semi-conductors, most recently at ClearSpeed and PixelFusion. Russell holds a first class degree in Physics from Cambridge University.

Michael Molinari  
Non-Exec Director

Mike is a Director of IP Capital at IP Group plc, manages the IP Venture Fund I and II and represents IP Group on the Salunda board. He completed his DPhil in Biomedical Engineering at the University of Oxford.