Design Verification and Test Engineer

IDEX is recruiting additional product development and engineering roles in the UK to further expand its team designing Biometrics system solutions for the Cards and IOT markets. The IDEX strategy is to expand its product portfolio and eco-system to service global top tier Card and IOT customers. We are looking to recruit a Design Verification Engineer with a proven track record in Design Validation testing for product, system or board level designs.

Tasks and responsibilities:
- Work within a fast moving product design team to help develop cutting edge biometric sensor modules based on IDEX fingerprint sensing technology
- Define product level verification and test plans based on system, product and component specifications
- Develop test and verification environments including automation solutions and test data management and analysis tools
- Develop reusable flexible software scripts / modules to minimize non-recurring development activity on projects
- Develop Automated Environmental testing tools to allow un-attended testing of product over a variety of environment screening activities
- Drive the development of necessary test fixtures, jigs and test hardware
- Design and specify test boards (PCBs) with necessary signal conditioning, interface and signal circuitry including the development of simulated system interfaces such as I2C / SPI to allow representative system   level testing
- Design and specify embedded test software to run on test board or DUT as appropriate
- Evaluate, characterise and verify designs against parametric, system level, reliability and regulatory requirements
- Analyse systematically non-compliances and work closely with electrical, physical and mechanical design teams to debug and troubleshoot
- Compiling FMEA reports
- Work closely with design teams to drive product level DFT features and capability

Experience:
- Proven track record in design verification of board or product level designs based on complex electronic devices or modules
- Verification and test of embedded systems comprising analogue, mixed signal and embedded software components
- SPC data analysis
- Design of embedded systems for test (e.g. test board schematic capture, PCB design, associated embedded SW design and implementation)
- Embedded firmware development and tool chain experience for ARM based processors
- An understanding of product level reliability and qualification testing and requirements (e.g. IEC ESD, EMC etc.)
- Test application and script development using tools such as Python, C/C++, LabVIEW, TestStand
- Experience with high volume production test based on Teradyne or LTX testers would also be an advantage

Education:
- Degree in Engineering, Electronics or related subject

Personal capabilities:
- Able to manage time and priorities to support multiple projects
- Driven; able to work independently; dependable and able to deliver work to deadlines
- Flexible to work on new projects and in new areas of the business as required

Potential:
IDEX holds some of the key patents of the fingerprint sensor industry, and is a pioneering company in the field of capacitive fingerprint sensing technology. We are technically advanced. The organization is small and compact, and we have informal and stimulating work environment. There is a specter of challenges with scientific width and depth. You will have extensive contact with supply-chain partners, customers and management. We offer competitive compensation and terms and a share-based incentive scheme.

Work place:
South East England, M3 / M4 Corridor

Travel activity:
Modest international travel (3-8 trips per year), depending on projects

IDEX ASA:
IDEX ASA specialises in fingerprint imaging and recognition technology. IDEX's vision is to ensure individuals a safe, secure, and user-friendly use of personal ID.

IDEX has developed the award-winning SmartFinger® technology platform based on the company's core intellectual property, including the patented fingerprint imaging principle, sensing scheme and chip design. SmartFinger solutions can be integrated into a variety of embedded applications such as mobile phones, Smartcards, payment and ID cards, and IoT devices.

Web site:	www.idex.no
Contact person:	careers(at)idex.no
Application deadline:	Soonest; candidates will be considered when applications arrive
Additional Information:	The above role does not support any applicants who require a visa to work in the UK
	Please direct all enquiries to our recruitment partner IC Resources who will be happy to work with appropriate partners. Any agency CVs submitted directly to IDEX will be passed to IC Resources with no liability to IDEX.