Halma
safer • cleaner • healthier

Join a high-performing group with a purpose: to grow a safer, cleaner, healthier future for everyone, every day.

We are hiring for **Engineer - Hardware Design** in **Halma company Sensit**

Location	Business Unit	Report to
Ahmedabad	Environmental & Analysis	Lead Engineer - Hardware

About us

Halma is a global group of life-saving technologies companies, driven by a clear purpose. We are an FTSE 100 company with headquarters in the UK and operations in 23 countries, including regional hubs in India, China, Brazil, and the US.

Our diverse group of nearly 50 global companies specialize in market leading technologies that push the boundaries of science and technology.

For over 50 years, the combination of our purpose, strategy, people, DNA and sustainable business model has resulted in **record long-term growth in revenues and profits and an increase in dividend by ≥ 5% every year**– an achievement unrivalled by any company listed on the London Stock Exchange.

> Halma India fulfils the potential of the region by harnessing the diverse talents, expertise, infrastructure, and operational

We have a team of over 250 professionals representing commercial, digital and support functions across our seven offices in India, two in Bengaluru and one each in Delhi, Mumbai, Thanjavur, Vadodara, and Ahmedabad.

HALMA INDIA IS CERTIFIED AS A GREAT PLACE TO WORK.

Here's why working with us is fulfilling:

We offer a safe and respectful workplace, where everyone can be who they 'REALLY' are, feel free to bring their whole selves to work and use their unique talents, knowledge, expertise, experiences, & backgrounds to create meaningful outcomes.

We nurture entrepreneurial spirits and empower them to think beyond the possibilities, to discover, shape and build their own unique stories. Our diverse businesses and operations provide fulfilling opportunities to grow as individuals and make an impact.

We are simple, humble and approachable, and we believe in leadership at all levels to bring our purpose to life. Everyone at Halma India makes an impact, and so do you when you join us!

Great Place To Work® Certified DEC 2024–DEC 2025 INDIA

BRITAIN'S MOST ADMIRED COMPANIES 2024 SECTOR WINNER ENGINEERING & MACHINERY

Detailed job description

About Halma company Sensit	Sensit Technologies designs, manufactures, and services products that protect life, property, and the environment from hazardous gases. Sensit offers a complete line of gas detection and monitoring equipment as well as an acoustic pipe locator for underground utility infrastructure. Recent product releases include the Gas-Trac hand-held and fixed-point instruments for the remote detection of methane, instruments for the monitoring of odorant in gas systems, and the natural gas industry's most complete line of products for improving speed, accuracy, and efficiency of leak surveys. Sensit Technologies is an ISO 9001:2015 Certified Company with headquarters in Valparaiso, Indiana. For more details, please visit https://gasleaksensors.com/.
Position Objective (The purpose of role in current business/market scenario)	The candidate will be responsible for the designing and testing of electronic hardware systems and components. The ideal candidate should have a strong background in circuit design, PCB layout, signal integrity, and familiarity with embedded systems.
Responsibilities (KRAs / deliverables / job expectations)	• Design analog and Digital circuits. Do schematic capture & design Boards. • Board brings up testing and preparation of design-level documentation. • Work with cross-functional teams (located in India and USA) to complete system design, Integration, system verification, and validation. • Component selection and validation for its performance, cost, availability, and manufacturability. • Preparation of test setups and prototypes and test jigs/fixtures. • Documentation required for production i.e. BOM, test procedures, Assembly drawings, docs for PCB manufacturing etc. • Provide support to the existing product portfolio, i.e. find alternative components of the obsolete components. • Ensure product development for its assembly and manufacturability. • Ensure design compliance with various safety standards. i.e., as per IEC60079-0, IEC 60079-11, UL, ATEX etc. • May require domestic travel to visit customer site for technical support activities.
Critical Success factors (critical / high impact aspects of role)	• Should have experience with Battery operated product design. • Should have experience in Analog and Digital Electronics.

Academic qualification	• B.E. / B. Tech / M.E./ M. Tech in Electronics
Experience (exposure)	• 3 -7 years of experience in hardware design. • Experience in designing of Battery-operated devices.
Key attributes (critical functional competencies)	• Experience with ARM microcontroller-based design, power supply design using LDO, DC-DC converter, Analog and Digital circuit design. • Familiar with the usage of testing equipment, i.e., DMM, Logic analyser, CRO, Spectrum analyser, function generator, etc. • Experience in working with internal and external teams. • Familiar with circuit simulation tools. • Experience in wireless-based product design, i.e., Wi-Fi, Bluetooth, NFC, etc. • Should be familiar with various communication protocols, i.e., UART, I2C, SPI, MIPI, one wire, RS232, RS485, etc. • Experience in the preparation of design-level documentation and production-level documentation. • Experience in Schematic capture, PCB layout design using Altium or any other EDA tools. • Experience in battery-operated product design, Battery chargers – preferred. • Should be part of component selection and validation.
Competencies (fundamental skills and attitudes)	• Excellent verbal and written communication skills. • Strong interpersonal skills. • Excellent analytical, problem-solving, and decision-making abilities. • Team player.