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Naizak Lab Systems



ABOUT US

Naizak Global Engineering Systems was established in 1998 as a part of Al-Abdulkarim Holding (AKH), and specializes in Laboratory Systems, Technology Solution, Process Automation & Energy. At Naizak, we are committed to excellence, and we are very proud to serve our customers in the areas of Automation, Food and Beverage, Industrial, Oil & Gas, Power Transmission Systems, Petrochemicals, Electrical, Education, Research, Medical, Life Sciences and Information Technology. Our headquarter is in Khobar, in The kingdom of Saudi Arabia.



PRESIDENT'S MESSAGE

Khalid A. AL Abdulkarim

It is my great pleasure to introduce Naizak Global Engineering Systems. Naizak has been involved in the growth of the national economy by taking a leading role in providing products and services. We establish long-term partnership worldwide in order to address the needs of our customers. Our business has continued to evolve over the years and now we have an expanding regional presence across the Middle East, United States, Europe and Asia. Naizak is transforming itself to take advantage of the latest demand and development of technology. We are reshaping and diversified our business units to ensure they are capable to meet our customers' expectations in technology and innovation. These include providing, professional solutions and services in the areas of Hydrocarbon, Power Systems, Electrical, Laboratory Systems, Enterprise Solutions, Training, IT Infrastructure, Cyber Security, Telecommunications and Education. We thank you for your support and look forward to working together.

Khalid A. AL Abdulkarim

OUR SHARED VALUES

- Integrity
- Respect
- Honesty & Trust
- Accountability
- Innovation
- Teamwork





COMPANY'S MISSION

We aim to provide our customers the most competitive and productive lab technology to achieve their success.

COMPANY'S VISION

Supporting the scientific community by sharing the latest technologies to insure their success.

NAIZAK LAB SYSTEMS

NLS heavily invests in training of its sales and services team in various disciplines in-house and on-site to meet specific requirements of customers. The division provides a strong motivation to its staff to deliver their best by being proactive. Naizak maintains a network of offices in Bahrain, Qatar, Saudi Arabia and the United Arab Emirates and covers a wide diversity of technology solutions. Our portfolio of products and technologies from world renowned Manufacturers help to solve your most demanding Analytical challenges thru its various Business Divisions focused on key & specific Market segments.

Our Divisions:

- Analytical Instrumentation
- Laboratory Technologies
- Mass Spectrometry & Nanotechnology
- Oil & Gas
- Industrial Technologies
- Life Sciences



- Medical & Diagnostics
- Educational Technologies
- Material Testing
- Lab Informatics (LIMS)
- Projects (PMT & Execution)
- Lab Furniture & Caseworks
- Lab Operation & Maintenance
- Training Center & Demo Lab

Analytical Instrumentation

Analytical instruments are the backbone & provide essential tools for every Chemist be it in Academics, Quality Control or Research. It is a large class of instruments used for Analytical applications in Chemical, Pharmaceutical, Clinical, Food-processing laboratories and Oil refineries. The instruments help in analyzing materials and establishing the composition. We provide a wide range of Analytical instruments indispensable for Research, development, and Quality control in various fields. Our high-level, sophisticated instruments include Chromatographs, Spectrometers, and Elemental and Surface analysis systems. We also provide a broad range of high-precision Physical testing and Measuring technology, essential for Product development and Quality assurance.

Products Range:

- Gas Chromatograph (GC)
- Liquid Chromatography
(GC-MS, GC-MS/MS)
- Ion Chromatography

- Molecular Spectroscopy
- Trace & Bulk Elemental Analysis
- Analytical and Laboratory Instruments
- Water Analysis Instruments
- Thermal Analysis



General Labware & Apparatus

Products Range:

- Lab Chemicals & Solvents
- Lab Reagents & Glasswares
- Labwares & Plasticwares
- Lab Apparatus & Utilities
- Biomedical Freezers
- Ultra-low temp Freezers
- Lab Ovens
- Lab Furnaces
- Autoclaves & Sterilizers (Lab & Medical)
- CO2 Incubator
- Chillers & Re-circulators
- Lab Mixing, Heating, Distilling and crushing applications.
- Magnetic stirrers
- Lab mixers & Mills
- Overhead stirrers
- Hot plates
- Shakers
- Homogeinzers
- Ball mills, Crushers
- Rotary evaporators
- Bomb calorimeters
- Laboratory reactors
- Temperature control products such as Re-circulators and Water baths
- Solid Heater Blocks

Laboratory Technologies

The Laboratory Technology Division complements the high quality Analytical Instrumentation, with Sample Preparation tools and Materials Processing Equipment that we provide. The products are used in almost every QC and R&D lab in the following industries: Powders, Materials Science and Engineering, Environmental Science, Food and Feed, Mining and Earth Sciences, Pharma/Nutraceuticals, Petroleum and Energy, and Cannabis Testing.

We pride ourselves in offering Analytical solutions for all your laboratory requirements, with Technologies from some of the industry's most prestigious manufacturers, ably supported by our experienced technical staff and clients immensely benefit from their assistance.



Products Range:

- CHN/SO Elemental Analysis
- Calorimetry/TGA/TGM/Ash Fusion
- TN/TS/TX Analysis
- Surface Tension Instrument
- Water Testing Equipment
- Dissolution & Disintegration Tester
- Food Oil Testing Equipment
- Kjeldahl Systems, Fat, Fiber
- Gloveboxes
- Auto-Titrators
- TOC





Mass Spectrometry & Nanotechnology

This division was started to support the growing market needs of Nanotechnology Instrumentation and Technologies. We provide wide-ranging solutions from sample preparation up to highly qualified clean rooms. Mass Spectrometry is the second main pillar of this division, where we cover the full range from conventional to research high resolution mass spectrometers.



Products Range:

- Mass Spectrometry (LC-MS/MS & ICMS & Orbitrap HRAM GC/LC with MS)
- Inorganic-MS (HR-ICP-MS & TIMS)
- Isotopic Ratio Mass Spectrometry (IRMS)
- Diagnostic IVD Kits-HPLC & LC-MS/MS
- Oxide and silicon etching
- Probe stations
- SEM and TEM Sample preparation
- Clean room and other Nano Technology products
- Ellipsometry
- Sputter & Spin coaters
- PPMS

Oil & Gas

Oil and natural gas are major industries in the energy market and play an influential role in the global economy as the world's primary fuel sources. ... Upstream, the business of oil and gas exploration and production; midstream, transportation and storage; and, downstream, which includes refining and marketing, we NAZIAK provide all type of solution for Research and routine analysis.



Products Range:

- Automated Petroleum testing equipment's with approved ASTM
- Industrial Bottle washing system
- Thermal Process Engineering equipment
- Manufactures of industrial washing systems
- EDXRF, Oil in Water and FAME for Petroleum Industries
- High-End laboratory instruments: Viscosity, density, Refractometers
- Refractometers, Polari meters, Viscosity Meters
- Sample preparation and synthesis
- Rheometers and instruments for material characterization
- Surface Area Analyzers, Pore Size Analyzers, Vapor Sorption

Industrial Technology

Industrial instrument related to upstream sector, and it is including most of the test involved from the preliminary exploration through the extraction of the resource/samples. Geologic surveys and any information gathering used to locate specific areas where minerals are likely to be found is commonly called 'exploration.' The term 'upstream' also includes the steps involved in the actual drilling and bringing oil and natural gas resources to the surface, referred to as 'production'.

Most of our suppliers dealt with Core analysis, Reactors, Pilot plant, Rock Properties, oil well cementing. We are working with top leading manufacturer world wide and their experience know as is the best in the oilfield Industry.



Products Range:

- Micro Reactor Systems
- Rock properties and Physical Testing Equipments Manufacturer
- Oil Well Testing Equipments
- Pilot Plant
- Refinery Analyzers
- High Pressure / High Temperature Viscometer
- Fluid Technology / PVT Systems
- High Pressure Metering Pumps
- Core Analysis

Material Testing:

Testing of materials is an essential step in the quality control of virtually any manufacturing process. All manufactured components need to be tested for their physical, strength, and structural properties. Techniques used to determine the physical and mechanical properties of raw materials and components are the backbone of Material Testing and



Products Range:

- Physical Mechanical testing
- Hardness For Metal
- Materials
- Simulations
- Polymer Processing & Testing
- Lab Carrosin Testing
- Thermal Analysis Instruments



Educational Technologies

Nowadays Technology can be a powerful tool for transforming education. It can help affirm and advance relationships between educators and students. Our schools, community colleges, and universities should be incubators of exploration and invention.

Products Range:

- Engineering Teaching Equipment
- 3D printer & 3D Scanner
- Sciences & Vocational Testing
- Immersive learning & Simulators
- Manufacturing, Workshop & Repairing Equipment

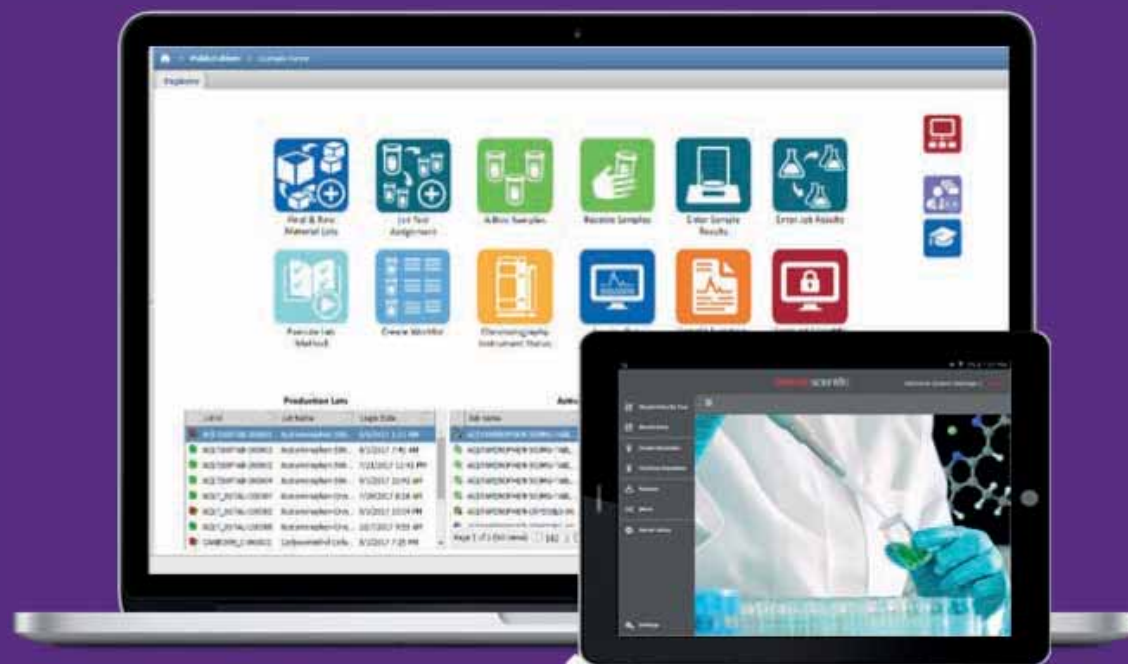


Lab Informatics - LIMS

Drive productivity, ensure compliance, streamline processes, and improve organizational efficiency by using the world's most widely deployed LIMS (Laboratory Information Management System). Thermo Scientific™ SampleManager LIMS™ delivers laboratory management, data management, and process execution/procedural ELN (LES) capabilities in a single solution. Laboratories across all industries, including pharmaceutical, food and beverage, oil and gas, petrochemical, water and environmental, manufacturing and contract testing rely on SampleManager LIMS to unlock the power of their laboratory data.

Products Range:

- LIMS™ delivers laboratory management
- Data management (SDMS)
- Process execution/procedural ELN (LES) capabilities in a single solution





Medical & Diagnostics

Medical & diagnostic division is a Medical wholesales agent and distributor of held agencies. Our division distributing health care products, Medical Laboratory equipment and Supplies.

Our sales cover Government and Private sectors such as Hospitals, Health Care Centers, Clinical Laboratories, Criminal Labs, Veterinary labs and Universities....etc.

We are supplying high quality products at reasonable prices to satisfy all customers in all their needs. We take great pride in our commitment to quality, efficiency, cost effectiveness and our reliable service to our customers.



Products Range

- Molecular Diagnostic
- Histology
- Immunology
- Microbiology
- CMH
- Medical Equipment & Consumables
- Infection control

Life Sciences

Life sciences industry includes the fields of biotechnology, pharmaceuticals, biomedical technologies, life systems technologies, cosmetics, medical devices, and others that dedicate their efforts to research, development, and commercialization of products to improve people's lives. Both patients and healthcare professionals benefit from the work of life sciences labs.



Products Range

- Molecular Biology Equipments & Kits
- Standard PCR
- Real Time PCR
- Electrophoresis & Blotting
- BioImaging
- Immunology
- Nanophotometers
- Cytogenetics & Pathology





● Lab furniture & case works

Laboratory Furniture Division is offering full laboratory solutions according the highest international standard responding to the market demands and analytical challenges in all fields of QC, QA and scientific research.

We are providing solutions from well reputed international manufactures covering the following medical & analytical fields.



● Products Range

- Fume Hood, Biosafety cabinet, Vented enclosure, Extraction units
- Case work from least adaptive (floor mounted) to most adaptive (mobile workstation) as per SEFA
- Safety storage cabinets
- laboratory work surfaces
- Sink and fixtures and fittings
- Emergency fixtures & Equipment
- Accessories

Lab Operation & Maintenance

The Laboratory O&M Division complements the Analytical Instrumentation & Lab Projects business by providing complete Lab Services including qualified Manpower, Spare parts, Tools & consumables for maintaining the running of the Lab in a professional manner. The Division undertakes complete Laboratory Operations & Maintenance for the Municipalities (Foods , Water, Pesticides and Road Materials), Ministry of Agriculture (Water and Pesticides) & at the Universities (all Science & Engineering Laboratories)

- **Providing Qualified team for lab operation**
- **Consultation for ISO Certification**
- **Consultation for Establishment of New labs**
- **Full solution for Complete lab Maintenance contracts**
- **We also provide ISO consultation and certifications thru our consultants for :**
 - **ISO 9001 Quality Management System**
 - **ISO 45001 Occupational Health and Safety Management System (OHSMS)**
 - **ISO 14001 Environmental Management System**
 - **ISO 22001 Food Safety Management System**
 - **ISO 17025 Testing and calibration laboratories**



TRAINING CENTER & DEMO LAB

At NAIZAK - Training & Demo Lab Center we offer comprehensive, professional training and certification through a complete course portfolio that can help you achieve the most from your instrumentation and results.

We provide you with a total solution for your analytical needs on:

- Instrument Operation
- Hardware & software
- Instrument Maintenance
- Software & Applications

Workshop topics include:

- Chromatography & Mass Spectrometry
- GC Analyzers
- Trace Elemental Analysis
- Life Sciences

Customized training





PROJECT MANAGEMENT

Over the years NLS has profiles in success over 52 projects. (NLS) is working combine's passion, purpose, and performance for delivering the turnkey, renovation, relocation projects, on schedule within budget, and to the highest level of excellence and integrity of work.

**Turnkey projects experience
(62 turnkey projects with 2,500M
SAR value)**

Our Project flow:

- Project management
- Design
- Engineering
- Fabrication
- Installation
- Testing & Commissioning
- Training
- Certification
- Maintenance.

SAUDI ARABIA

- ✓ King Abdullah University for Science & Technology (Aramco/KAUST)
- ✓ Jubail Export Refinery Project (SATORP) - Jubail
- ✓ Khurasaniyah Project (Aramco) - Khursaniyah
- ✓ Khurais Project (Aramco) - Khurais
- ✓ Dammam University Research Center - Dammam
- ✓ YASREF MC5- Project (ABV ROCK Ltd) - Yanbu
- ✓ Natpet Schulman Specialty Plastic Compounds - Yanbu
- ✓ LUBEREF II Expansion Project (ARAMCO) - Yanbu
- ✓ IBN-SINA Expansion (SABIC) - Jubail
- ✓ Ma'aden Wa'ad Al Shamal Phosphate - Turaif
- ✓ Jazan Refinery Lab Project - Jazan

QATAR

- ✓ QATAR Foundation Project (QEERI & QBRI) - Doha, Qatar
- ✓ Anti Doping Lab & Research Center - Doha, Qatar
- ✓ Multi purpose Toxicology Research Center - Doha, Qatar







SAUDI ARABIA

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