Environmental Monitoring & Consultancy Services

Commercial / Light Industries
- Respirable dust / particles / microbes
- O$_3$, CO, CO$_2$ / CO level
- Hazardous/toxic gases/vapours
- Heavy metals contaminants & Organic contaminants
- Relative humidity, temperature & lighting
- Noise & vibration
- Radio-activity / Effluent compliance

Environmental Assessment / Consultancy
- Conservation programme
- Accidental discharge/spillage
- Resource evaluation
- Impact studies & Environmental Baselines Studies
- Health science services / Monitoring programme
- ISO 14001 EMS

Environmental Analysis
- Indoor Air Quality, Ambient Air monitoring
- Cleanroom Air monitoring (Class 10 & Class 100)
- Source emission or Stack emission
- Industrial Hygiene monitoring
- Hydrogen sulphide, mercaptans, ammonia in sewerage air
- Drinking Water, Newater, RO Water, Trade Effluent, potable water, water storage tank cooling tower water, seawater, swimming pool water, ground water, industrial water, water for making concrete
- Volatile & Semi-Volatile Organic Compounds, Pesticides, PCBs, Toxaphene, Herbicides in water & soil
- Pharmaceuticals and Personal Care Products in Water
- Heavy metals in soil/sluide, soil contamination
- Toxicity characteristic teaching procedure (TCLP)
- Odour measurement

Environmental Monitoring & Consultancy Services

Food Chemistry Analysis
- Nutritional labelling
- Food contaminants (toxic metals, pesticides, etc)
- Determination of additives (colours, alcohol, preservatives)
- 3 MCPD test for sauce and seasonings
- Vitamin A, Vitamin B1, Vitamin B12, Vitamin C
- Dietary Fibre
- Protein, Fat, Carbohydrate

Toxin Testing
- Aflatoxin & Mycotoxin Testing
- Staphylococcal Enterotoxin Testing
- Bacillus Cereus, Diarrhoeal Enterotoxin Testing

Chemical Contaminants & Residue
- Antibiotics residues
- Antioxidant and preservatives
- Artificial Colouring
- Melamine
- Heavy metals
- Formaldehyde

Phthalates Tests in Food & Packaging
- Bis(2-ethylhexyl) phthalate, (DEHP)
- Butylbenzylphthalate, (BBP)
- Dibutylphthalate, (DBP)
- Di-n-octylphthalate, (DNOP)
- Diisononylphthalate, (DINP)
- Diisodecylphthalate, (DIDP)

Pharmaceutical/Medical Products Analysis
- Heavy metals (mercury, arsenic, lead, copper)
- Microbial limits
- Hygiene/sterility testing

Antibacterial Efficacy Studies
- Detergent, sanitizer

Food Hygiene Consultancy & Training Services

- Kitchen audits on food hygiene
- Food hygiene course (accredited by WDA)

Food Hygiene Consultancy & Training Services

Ultrapure Water and Ultrapure Chemicals Testing
- Ultrapure water quality analysis in accordance with ASTM standard D6127
- ICP-MS for trace elemental analysis (34elements)
- Ion chromatography (anions and cations)
- Assay for organic solvent
- Water content in organic solvent
- Total organic carbon (TOC)
- Total residue (ppb)
- Total bacteria count (colonies/100ml)
- Total particle counts (P/L)

Airborne Molecular Contaminants (AMC) and Surface Molecular Contaminants Analysis (SMC)
- Cleanroom air or gas analysis in accordance with ISO 14644-8 and SEMI standard F21-95
- AMC baseline study: MA, MB, MC, MD & MM etc.
- Determine the yield problem that correlated with AMC, their sources and effects on wafers
- Identify the AMC effects on Wafers through witness wafer analysis
- Particle identification on wafer surface
- Material outgassing analysis and evaluation by TD-GCMS
- RoHS and REACH Compliance Tests
- Cadmium, Mercury, Lead, Chromium by ICP-OES
- Hexavalent Chromium by UV-VIS
- PBBs and PBBDe by GCMS-MS
- Phthalates analysis
- Other Hazardous Substances
- REACH SVHC items etc.

Green Label Testing
- Volatile organic compounds emission (VOCs)
- Formaldehyde emission
- Heavy metals

Failure Analysis (Surface Analysis)
- Coating thickness measurement
- Electrical Testing by Curve Trace.
- Non Destructive Failure Analysis by X-ray Imaging and C-Scanning Acoustic Microscope(C-SCAM)
- Destructive Failure Analysis by Decapping and Cross section
- Surface Roughness Analysis by Atomic Force Microscope (AFM)
- Surface Analysis by SEM/EDX, FTIR, Focused Ion Beam (FIB), Transmission Electron Microscopy (TEM), TOF-SIMS, XRF and AURGER Electron Microscopy

Reliability Testing
- Temperature cycling, temperature humidity
- Vibration, shock & drop test
- Combined temperature, humidity with vibration test
- Highly accelerated life testing (HALT) and stress screening (HASS)

Micro-contamination Analysis for Microelectronic Devices
- Ion chromatography (anions, cations and organic acids)
- Non volatile residue (NVR)
- FTIR for silicon oil, phthalate and amide slip
- Liquid particle count (LPC & USLPC)
- Outgassing by static headspace GCMSD (SHS)
- Outgassing by dynamic headspace GCMSD (DHS)
- Particle analysis by SEM-EDX & Microscope FTIR
- Magnetic particle inspection (MPI)
- Electroless Nickel (EN) coating chemical composition by SEM-EDX
- Replicating film extraction of polishing deburring compounds
- Extractable metals (Cu & Sn) etc.

Cleanroom Consumables and Packaging Materials Testing
- Cleanroom gloves finger cots, wipers and j jumpsuit cleanliness tests as per IEST standards
- Ion chromatography (anions, cations and organic acids)
- Non-volatile residue (NVR)
- FTIR for silicon oil, phthalate and amide slip
- Liquid particle count normal extraction (LPC)
- Outgassing by static headspace GCMSD (SHS)
- Outgassing by dynamic headspace GCMSD (DHS)
- ElectroStatic Discharge Testing (ESD)
- Surface resistance & Volume resistance
- Static decay test
- Tripbocharge Electric generation test
- ESD latch up tests, HBM & MM
- IC Assembly & packaging test
- ESD Garment
- Piece To Piece Resistance Test
- Point To Point Resistance Test
- ESD Wrist Strap
- -- Continuity Test and resistance Test
- -- Cuff Resistance Test
- -- Breakaway Force Test
- -- Connection Integrity
- -- Ground Cord Extendibility
- -- Bending Life Test
- -- ESD Work surface and Flooring Material
- -- Resistance-To-Groundable Point (Rtg)
- -- Point To Point Resistance (Rrt)
- -- ESD Foot Wear
- -- Resistance Test
**Structural & Integrity Testing Services**
- Surface hardness (rebound hammer) test
- Ultrasonic pulse velocity test
- Electromagnetic cover meter survey
- Penetration resistance (Windsor Probe) test
- Half cell potential measurement
- Concrete resistivity measurement
- Impulse response test
- Impact echo test
- Surface penetration radar survey
- Infrared thermography inspection
- Fibre scope inspection
- In-situ carbonation test
- In-situ tensile pull-out and shear tests on structural fixtures, lifting beams/hooks, architectural finishes and sprayed fire-proofing material
- Temperature and strain monitoring of mass concrete casting
- Inspection (optic scan) on tempered glass
- Water tightness and penetration test on joints for windows, curtain walls, precast panel, etc.
- Third party witness for household shelter air tightness test and blast door water tightness
- Third party quality assurance and quality control inspection on concrete/concrete products
- Structural instrumentation and monitoring during full scale load test
- Structural investigation
- Investigation of structural healthiness after fire incident / accidental impact
- Visual inspection of buildings in collaboration with professional engineers and accredited checkers

**Geotechnical & Pavement Testing Services**
- Laboratory soil test
- In-situ soil test
- Asphalt test
- Runway and pavement assessment
- Surface friction by Grip Tester
- Soil Investigation & instrumentation
- Ground penetration radar survey
- Parallel seismic
- Parallel seismic
- Electrical resistivity by Werner probe method
- Vibration monitoring
- Noise monitoring
- Helideck Testing

**Building & Construction Materials & Product Testing Services**

**Polymer, Plastic and Composite Material Testing**
- Mechanical Properties (tensile, shear, tear, compressive, flexural, etc)
- Physical Properties (density, hardness, scratch resistance, etc)
- Optical Properties (colour, gloss, haze, etc)
- Adhesion Properties (adhesion strength, peel strength, etc)
- Chemical Resistance
- Durability (natural weathering, accelerated weathering, salt spray, humidity, abrasion)
- Aging Behaviour (heat aging, temperature/humidity conditioning)
- Creep Behaviour
- Material Characterisation (FTIR, TGA, SEM/EDX)
- Thermal Analysis (compositional analysis, glass transition temperature, polymer content, ash content)
- Fire and Toxicity Emission
- Sound Absorption Coefficient
- Root Penetration/Resistance
- Thermal Conductivity
- Solar Reflectance Index
- Accelerated Aging by Arrhenius Equation

**Glass / Glazing (SGU/DGU/Low-E/Laminated) / Transparent Plastic / Solar Film**
- Visible Light Transmission
- Visible Light Reflectance
- Solar Transmittance
- Solar Reflectance
- Shading Coefficient
- Luminous Efficacy
- SHGC
- U-value
- UV Rejection
- Emittance

**Coated Roofing Sheet / Solar Panel / Facade Material / Coating**
- Daylight Reflectance (Total / Diffuse / Specular)
- Solar Reflectance
- Solar Reflectance Index
- Emittance

**Building Board (Fibre-Cement / Gypsum / MgO / Calcium Silicate)**
- Density
- Flexural Strength (Wet & Equivalent)
- Moisture Movement
- Water Absorption
- Moisture Content
- Water Tightness / Water Impermeability
- Thermal Conductivity
- Non-Combustibility
- Humidified Deflection
- Thermal Shrinkage

**Impact Strength & Robustness on Precast Concrete / AAC / ALC Composite Lightweight Wall System**
- Partition wall stiffness
- Surface damage by small hard body impact
- Resistance to damage by impact from a large soft body
- Resistance to perforation by small hard body impact
- Resistance to structural damage by impact from a large soft body
- Effect of door slamming
- Resistance to crowd pressure
- Lightweight anchorage pull-out

**Product Testing Services**
- Waterproofing System
- Rubber Gasket
- Waterstop
- Composite Timber
- Paint & Coating
- Sealant
- CED Primer Blast Door Frame
- Wrought Iron Steel Gate
- Main Entrance Door
- Rubber
- Wood and Timber
- Geotextile
- Gypsum Board
- Gluam
- Biomass Fuel / Wood Chips / Wood Pellets
- Vinyl Flooring
- Medical Devices

**Building & Material Consultancy Services**
- Tiling failures
- Weathering of building stone
- Cracking/shattering of glass
- Painting failure
- Debonding/cracking of flooring
- Concrete degradation
- Plastering failure
- Rising dampness treatment
- Materials consultancy
  -- Materials selection
  -- Failure analysis
  -- Performance evaluation
  -- Product research
- Ground engineering consultancy
- Structural appraisal consultancy
- Building performance consultancy
  -- Built environment consultancy
  -- Facade & building maintenance/upgrading consultancy
  -- Restoration & conservation consultancy
- Building Audit
  -- Pre-acquisition due diligence
  -- Periodic maintenance audit
  -- Renovation/upgrading audit
**Mechanical & Maintenance Testing Services**

**Mechanical Testing**  
(metals, polymer, timber, textile)  
- Hardness tests  
  (Brinell, Rockwell, Vickers, Micro-hardness)  
- Tensile, bend, shear, impact, compressive & flexural strength test  
- Creep, fatigue, wear, stress rupture, tear slip & life cycle strength test  
- Hydrostatic pressure test & flow measurement  
- Vicat test, heat distortion test & stress relief test  
- Mechanical testing for welder and procedure qualification test sample.  
- Endurance test  
- Vibration test  
- Compress air pressure test  
- Moisture content measurement  
- Aging test

**Product Performance and Evaluation**  
- Pump (centrifugal, vertical multi stage, etc)  
- Fire protection equipment (fire hydrant, hose reel, landing valve, breeching valve, fire extinguisher, layflat hose, etc)  
- Scaffold system  
- Manhole frame & cover  
- Tap & mixer  
- Pipe & fitting  
- Furniture  
- Sanitary ware (WC, bidet seat washer)  
- Washing machine  
- Solvent cement  
- Timber door  
- Ceiling Fan  
- Personnel Protective Equipment (PPE)  
  (Safety footwear, industrial safety helmet)  
- Design and custom-made system for product reliability testing

**Metallurgical Services**  
- Failure analysis  
- In-situ metallography  
- Analysis of heat treatment condition  
- Ferrite & Surface coating measurement  
- SEM/EDX  
- Corrosion rate prediction and analysis  
- Material identification (heat treatment process, material type & grade)

**Maintenance Testing Services**  
- Infrared thermography  
- Partial discharge / Ultrasound  
- Stress and strain analysis  
- Vibration spectrum analysis  
- Acoustic measurement & analysis  
  - Boundary Noise Monitoring (NEA requirements)  
  - Indoor Noise Monitoring (MOM requirements)  
- Octave Band  
- Personal Dosimetry (HCP, Health Conversion Program)  
- Light Intensity measurements (Lux)  
- Heat stress (Environmental and personal heat stress measurement)  
- Air leakage test  
- Ionising and non-ionising radiation measurement  
- Bollard pull  
- Load Test  
- Ultrasonic flow rate measurement  
- Electro magnetic compatibility (EMC) studies  
- Electrical power quality  
- Preventive Maintenance Fumehood  
  - Face Velocity Grid Test  
  - Flow Visualization Test  
  - Light Intensity Test  
  - Noise Level Test  
- Preventive checks of all piping, hoods and accessories  
- Preventive checks of all electrical systems

**Electrical & Electronics Services**

- Testing of appliances to Spring Consumer Product Safety requirement (approved lab for 18 categories of controlled goods, e.g., ceiling fan, iron, oven, etc)  
- PUB water efficiency testing for washing machines (WELS)  
- NEA Energy label for dryer  
- IP (Ingress Protection against water) testing  
- General product testing e.g. EBOPS (SS209)

**Calibration & Measurement Services**

- Pressure calibration  
  - pressure gauge, pressure chart recorder, transducer, transmitter  
- Mass calibration  
  - weighting balance, mass  
- Force calibration  
  - compression machine, Universal Testing Machine, batching plant, load cell, force gauge  
- Hardness testing machine calibration, durometer calibration  
- Extensometer calibration  
- Torque meter, torque wrench  
- Temperature calibration  
  - thermometer, thermocouple, RTD, digital temperature display, IR thermometer  
- Temperature enclosure calibration  
  - oven, furnace, freezeer, chiller, bath, incubator  
- Thermo-hygrometer / graph calibration  
- Environmental Chamber / Humidity Chamber calibration  
- Dimension equipment calibration  
  - gauge block, profile projector, small measuring tools, go and no-go gauge, thread ring / plug gauge  
- Measurement Services using CMM & Scope Machine  
  - Parts first article measurement, jigs and fixtures measurement, PCB boards, UT clad, blocks, cube mould  
- NDT gauges / equipment, UT gauge, coating thickness gauge / foil  
- Laser system measurement (linear, straightness, flatness, squareness)  
- Electrical, electronic instrument calibration  
- Sound Level meter calibration  
- Tachometer / Stroboscope calibration  
- Optical Instrument calibration  
- Flow meter calibration

**Non-Destructive Testing Services**

**Radiographic Testing**  
- Weldments, castings, forgings & tubes  
- Pipelines, storage tanks & pressure vessels  
- Electronic, electrical & mechanical components  
- Structural steels

**Ultrasonic Testing**  
- Flaw detection in welds, castings, forgings, plates, bars, tubes and machine components  
- Thickness measurement  
- Material characteristic through acoustic attenuation

**Eddy Current Testing**  
- Flaw detection (crack, corrosion, de-bond)  
- Metal sorting / Electrical conductivity  
- Coating, plating, cladding and thin sheet thickness measurement

**Magnetic Particle Testing**  
- Surface and subsurface discontinuities e.g. cracks, seams & inclusions on ferromagnetic materials  
- Monitoring service flaws in bars, forgings, weldments, shafts and components

**Liquid Penetrant Testing**  
- Surface discontinuities eg cracks, pinholes, laps and seams on non-porous and non-absorbing materials  
- Locating flaws in weldments, joints, tubings & castings

**Other Specialised Techniques**  
- Post-Weld Heat Treatment (PWHT) - Stress Relieving / Pre-Heat  
- Hardness Testing (Telebrineller / Digital Type)  
- Holiday Testing (Spark Test)  
- Vacuum Box Testing  
- Ferrite Content Measurement  
- Coating Thickness Measurement

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**Aerospace Inspection Services**

**Tube Inspection Services for Boilers and Heat Exchangers**  
- Eddy Current Test (ECT)  
- Remote Field Eddy Current Test (RFECT)  
- Internal Rotary Inspection System (IRIS)  
- Near Field Eddy Current Test (NFT)

**Strutage Tank Inspection / Survey**  
- Magnetic Flux Leakage (MFL) for tank floor scanning  
- 3D Image Profiling & Remaining Life Assessment  
- Long Range UT (LRUT) on Annular Plate  
- UTG / B-Scan on tank shell plates using remote crawler  
- Corrosion Mapping  
- Tank Settlement and Verticality Survey

**Advanced Non-Destructive Testing Services**

**Advanced Ultrasonic Testing**  
- Phased-Array Ultrasonic (PAUT)  
- Time-of-Flight Diffraction (TOFD)  
- Creeping Head-Wave Inspection Method (Chime)  
- Corrosion Mapping of Buried Pipe/Lamp Post

**Advanced Radiographic Testing**  
- Computer Radiography (CR)  
- Digital Radiography (DR)  
- Small Controlled Area Radiography (SCAR)

**Other Advanced Techniques**  
- Positive Material Identification (PMI) on ferrous/non-ferrous materials  
- Remote Videoprobe/Borescope Inspection (RVI) - with internal defect sizing options  
- Eddy Current surface scanning on base metal and welds
Safety & Reliability Management (SRM) Services

Safety & Reliability
• Safety Management Systems
• Training and workshops
• Gap analysis and development of safety management processes
• Procurement support and supplier evaluation

Safety Engineering & Consultancy
• Safety planning
• Hazard analysis and risk assessment
• Safety requirements and validation
• Safety audits
• Safety case development

Independent Safety Assessment (ISA)

Electromagnetic Capability
• EM management planning
• Assessment of complex installations
• Control Plans
• Audits
• Business process solutions
• On Site Measurement
• EMC & HIRF trials
• Assessment and Certification
• Surveys
• EM Modelling
• Radiation Hazard

Engineering Consultancy Services
• Plant and Equipment Condition Assessment
• Forensic Engineering and Expert Witness
• Materials and Design Consultancy
• Power Engineering
• Strategic Asset Management
  -- Electrical Plant and Equipment
  -- Rotating Plant
  -- Gas and Steam Turbines
  -- High Temperature Plant
  -- Earthing Systems
  -- Lightning Protection Systems

Quality Assurance Services

Inspection, Consultancy & Expediting Services
• Independent / 3rd Party Inspection Agency
  -- Certified Welding Inspector
  -- API 510/570/653 Authorized Inspector
  -- NACE Certified Painting/Coating Inspector
• Singapore Accreditation Council (SAC) – Accredited Inspection Body (ISO/IEC 17020)
  -- Central Alarm Monitoring Stations Inspection (CAMS)
  -- Pressure Vessel Inspection (including aboveground storage tank, power & process piping)
  -- Structural Steelworks Inspection
  -- Technical Auditor for MOM Scheme for Extension of Statutory Inspection Period of Pressure Vessels
• MOM Approved 3rd Party Inspection Agency (Local) for Fabrication Survey of Steam Piping
• Inspection of Air Receivers as per MOM Requirement
• Inspection of Diesel Storage Tank as per SCDF’s Requirement

• Inspection of Portable Storage Tanks for Transportation of Petroleum and Flammable
• Inspection Survey of the Chillers & Condenser Water Pipelines and Suspended Ceiling in Commercial & Office Buildings
• Pipeline Integrity Assessment of the Oil & Gas Plant and Terminal Facilities
• Risked Based Inspection (RBI)
• Consultancy on Welding, Quality Control/Assurance & Testing/Inspection
  -- Preparation of Welding Procedure Specification by Welding Engineer
  -- Qualification Test of Welders & Welding Procedures
  -- QA/QC person nell for Owners & Contractors
  -- Product Inspection & Certification required by Vendor
  -- Expediting & Pre-Shipment Inspection
  -- Failure Analysis on Materials for Industrial Equipment
  -- Plant Equipment Remaining Life Assessment
  -- Tower Cranes Inspection
• Independent / External Auditors
  -- Factory Auditor for Contractor’s Quality System, Workshop Facilities & QA/QC Personnel
  -- Independent Auditor recognised by BCA to issue Certificate of Assessment for the re-use of Steel Strutting System and sheet piles for Earth Retaining or Stabilizing Structures as per BC1 : 2012

Welder Course & Certification
• MOM Approved Test Centre for Welder Certification in the Marine Industry for Lower Levy Conversion
• BCA Approved Training and Testing Centre (ATTC) for Upgrading of Workers’ Skills in the Construction Industry
  -- Skills Evaluation Certificate (Knowledge), or SEC (K)
  -- Construction Registration of Tradesman/Foreman (CoreTrade)
  -- Multi-Skilling Scheme
  -- Continual Educational Training (CET)
• SWS-CWQS Approved Welder Qualification Test Centre (WQTC) for Welder Qualification in the Oil, Gas and Petrochemical Industries
Training Courses

Non-Destructive Testing (NDT) Training Courses
- Introduction to NDT
- Eddy Current Testing (ET) Level I & II
- Penetrant Testing (PT) Level I & II
- Magnetic Particle Testing (MT) Level I & II
- Radiographic Testing (RT) Level I & II
- Radiographic Film Interpretation (RI)
- Radiation Safety (RS)
- Ultrasonic Testing (UT) Level I & II
- Level III Refresher Course
- Thermography
- Advanced NDT
- Visual Testing Level II
- Phased Array Ultrasonic Testing
- Certified Coating Inspector Level I & II

SETSCO is a BS EN ISO 9001 certified PCN training center and approved by the British Institute for NDT (BINDT)

Welding Technology Courses
- American Welding Society (AWS) Certified Welding Inspector
- Visual Inspection of Welds
- Introductory Welding Metallurgy
- Metal joining & Cutting Processes
- Safety in Welding & Cutting Processes
- Structural Welding Design

American Petroleum Institute (API) Courses
- API 510 Pressure Vessel Inspector
- API 571 Supplemental Inspection
- API 653 Aboveground Storage Tank Inspector

Food Safety Courses
- WSQ Food Hygiene Course
  (Accredited by Singapore Workforce Development Agency (WDA))

Short Courses

Construction Technology
- Non-structural cracks & crack repair methods
- NDT for concrete structures
- Self-leveling concrete
- Electro-chemical repair methods for concrete structures

Structural Engineering
- Design of pre-stressed concrete for buildings
- Lesson learnt from failure of concrete structures
- Structural cracks in buildings
- Strengthening of r.c.c structures

Stainless Steel
- Stainless steel for buildings & structures
- Stainless steel for water & wastewater industries
- Stainless steel for refining & petrochemical industries
- High performance stainless steel for chemical & process industries
- Material engineering workshop

Other Training Courses
- Heat Treatment
- Pressure Equipment Inspection
- Protective Coating Inspection

Certification Examinations
- NDT Employer based certification using SNT-TC-1A Level I, II & III in ET, MT, PT, RI, RT & UT
- British Institute of NDT (BINDT) Personnel Certification for NDT (PCN)
- Level I, II & III for Aerospace (ET, MT, PT, RT & UT), Welds (RI, RT & UT) & Multi Sector (PT & MT)
- National Aerospace Standard (NAS) 410 Certification Level I, II & III for Aerospace (ET, MT, PT, RT & UT)
- Civil Aviation Authority of Singapore (CAAS) Practical Test for NDT personnel taking N11 (PT), N12 (MT), N13 (ET), N14 (UT) & N15 (RT) exam.
- American Society for NDT (ASNT) Level III
- AWS Certified Welding Inspector (CWI) & AWS Senior Certified Welding (SCWI) Inspector
- API 510 Pressure Vessel Inspector
- API 570 Piping Inspector
- API 653 Above Ground Storage Tank Inspector
- Thermography Level I & II

Setsco Clinical Laboratory

Health Screening Tests
- Blood Cell Screen
- Urinalysis
- Unic Dipstick
- Diabetes Monitoring
  - Glucose
  - HbA1c
- Lipid Panel
  - HDL
  - LDL
  - Chol/HDL Ratio
  - Cholesterol
  - Triglyceride
- Renal Panel
  - Albumin
  - Calcium
  - Chloride
  - Creatinine
  - eGFR (Calculated)
  - Glucose
  - Urea
  - Urine Creatinine
- CO2 Test
  - Sodium
  - Potassium
  - Phosphate
- Thyroid Function
  - Free Thyroxine
  - Thyrotropin Stimulating Hormone
  - Thyroid Peroxidase Antibody
  - Anti-Thyroglobulin
- Cardiovascular Screen
  - CK
  - Troponin T
  - NT pro-BNP
  - Infectious Serology
  - TPLA
  - Anti-HAV
  - HBsAb
  - HBsAg
  - Pregnancy Screen
  - HCG Screen, rapid (Females)
  - HbA1c
  - ALP
  - GGT
  - Tumour Markers
  - CEA (Colon)
  - CA19-9 (Gastro-Intestinal)
  - AFP (Liver)
  - PSA (Prostrate) (Male)
  - CA-125 (Ovaries) (Female)
  - CA-125
  - CA-15-3
  - HE4
  - Liver Panel
  - Total Bilirubin
  - Total Protein
  - Albumin
  - Globulin
  - Albu/Glo Ratio
  - ALT (SGPT)
  - AST (SGOT)
  - ALP
  - CGT
  - Anemia Panel
  - Complete Blood Count
  - Ferritin
  - Iron
  - Transferrin
  - Folate
  - Vitamin B12
  - Bone & Joint Panel
  - Calcium
  - Creatinine
  - Erythropoietin Sedimentation Rate
  - Phosphate
  - Parathyroid Hormone
  - 25-C Vitamin D
  - Rheumatoid Factor
  - Uric Acid

- Inflammation Screen
  - Erythrocyte Sedimentation Rate
  - C-Reactive Protein
  - Colorectal Cancer Screen
  - Fecal Occult Blood

Heavy Metal Tests
- Analyte
- Arsenic
- Cadmium
- Copper
- Mercury
- Manganese
- Nickel
- Lead
- Thallium
- Selenium
- Vanadium
- Zinc

Chemical & Solvent Tests
- Trichloroacetic acid
- 8-Monouracil
- S-Phenylmercapturic acid
- Acetone
- Methanol
- Methylethylketone
- Methylisobutylketone
- Tetrahydrofuran

Workplace Safety and Health (Medical Examinations Regulations)

 Setsco is a BS EN ISO 9001 certified PCN training center and approved by the British Institute for NDT (BINDT)
Ready-Mixed Concrete (RMC)
• Ready-Mixed Concrete (RMC)

Fire Safety Products (FSP)

Non-Regulated Products (NRP)
• Emergency power supply

Electrical & Electronics Products (EEP)
• Household appliances, accessories, IT & home entertainment products
• Product listing and batch testing
• International approval for Safety, EMC & Radio Product
• Saudi Arabia Certificate of Conformity Application

Our Credentials

SETSCO Services Pte Ltd is one of Singapore’s largest test and inspection companies accredited by the Singapore Accreditation Council – Singapore Laboratory Accreditation Scheme (SAC-Singlas) to ISO/IEC 17025, and by Singapore Accreditation Council (SAC) to ISO/IEC 17020 and ISO/IEC 17065.

Accredited Laboratory Scheme (ISO/IEC 17025)
Accredited Fields of Testing:
- Civil Engineering Testing (LA-1987-0001-B)
- Calibration & Measurement (LA-1993-0061-C)
- Mechanical Testing (LA-1993-0067-G)
- Chemical & Biological Testing (LA-1994-0068-A)
- Non Destructive Testing (LA-1998-0144-D)
- Environmental Testing (LA-2000-0181-F)
- Electrical Testing (LA-2012-0519-E)

Accredited Inspection Bodies Scheme (ISO/IEC 17020)
Accredited Inspection:
- Industrial Equipment and Machinery (IB-2002-001-A)
- Building Construction and Maintenance (IB-2006-005-B)
- Central Alarm Monitoring Station (CAMS) (IB-2011-061-D)
- Technical Audit of Extension Schemes for Pressure Vessels (IB-2014-096-G)

Accredited Certification Body (ISO/IEC 17065)
Accredited Product Certification:
- Ready Mix Concrete
- Fire Safety Products
- Electrical & Electronics Product (PD-2010-10)

Accredited under National Aerospace and Defense Contractors Accreditation Program (NADCAP)
Singapore Welding Society (SWS), MOM & BCA Approve Test Centre for Welders (Lower Levy Scheme)

International Institute of Welding - Approved Training Body (EN4179)

British Institute of Non-Destructive Testing (BINDT) Approved Training Organisation to BS EN ISO 9001

Member of the Timber Research And Development Association

Updated 5 Oct 2016