

# NCE Consult



**NCE CONSULT** (FAHAD M AL-NUJAI DI CONSULTING ENGINEERS)

Consultant Specialists in Fire Protection Engineering, Fire Investigation, Forensics, Incident Investigation, Access Control, Safety Compliance & Audits, Security Systems, Environmental Control & Hygiene Management, Facilities & Utilities, Technical Studies/Equipment Material Evaluation Facility & Utilities Management, O&M.

Engineering seminars in Fire Safety, Safety Compliance, Industrial Safety, Risk Assessment & Management, Management of Change, Emergency Response Planning and others.

## COMPANY PROFILE

NCE is a 'One-Stop-Shop' for Health, Fire, Safety, Security, Environmental consulting and engineering services, we can provide all services in-house and avoids the cost of different employing different companies for your engineering needs.

### Services

Specialist multi-skilled engineering consultants to provide expert advice to customers on short, medium and long term contracts and projects.

- Health – health, welfare and hygiene
- Safety – physical safety, fire safety, safety audits, risk management & safety management
- Intruder Detection – access control and CCTV
- Environment – environment control, energy conservation, pollution avoidance
- Facilities Management – effective facilities management, audits & program development
- Technical studies and evaluation of materials, equipment and machines
- Engineering Seminars – keep your staff up to date

### Our Customers & Projects

NCE provides services to the following plants, facilities and buildings

- Industrial manufacturing, warehouses, materials distribution
- Hydrocarbon/petrochemical plants, oil refining, bulk gas plants
- Utilities sector, district cooling, water distribution, power distribution, effluent treatment
- Commercial sector, recreation facilities/sports stadiums, hotels/resorts, hospitals/medical facilities, retail/malls
- Large scale/mid-rise/hi-rise residential facilities and compounds/camps



### Fire Engineering

Fire Engineering Consultancy Services – fire protection conceptual & detailed design, calculations, fire safety management, forensic fire investigation, fire protection code compliance and plan reviews. We provide consultancy on a full range of fire protection systems, including the following:

- Analogue addressable fire detection & alarm systems, VESDA, flame detection, to comply with NFPA 72
- Automatic Fire Sprinkler Systems to comply with NFPA 13
- Deluge systems, water mist systems, and foam systems to comply with NFPA
- Fire pumps, electrical & diesel, jockey pumps
- Wet/Dry chemical systems to comply with NFPA
- Fire suppression systems, NOVEC, FM200, CO2, etc.
- Firefighting vehicles & equipment
- Fire extinguishers

### Fire Safety

- Fire safety management, fire drills, fire strategies, emergency response planning
- Fire codes, building codes, plan reviews
- Structural fire safety, passive fire safety, pressurization systems, smoke & heat venting
- Evacuation modelling, exit & emergency lighting, means of egress, CFD modelling
- Fire resistance testing, material analysis, due-diligence, feasibility studies
- Fire investigation & forensic analysis

## Fire Protection Installation & Maintenance Services

We can install and maintain a range of fire protection systems – fire sprinkler systems, CO2 systems, foam systems, wet chemical systems, NOVEC systems, deluge systems, fire pumps, fire water storage, fire alarm & detection systems, etc.

- Water based fire protection systems to comply with NFPA 13, NFPA 25, etc.
- Fire alarm & detection systems maintained to comply with NFPA 72
- CO2 systems, foam systems, wet chemical systems, NOVEC systems, deluge systems maintained to comply with NFPA standards
- Fire pumps to comply with NFPA 20 and NFPA25

PM (preventive maintenance) and CM (corrective maintenance) repairs on all types of fire protection systems maintained to comply with NFPA and other international standards (as required)



## Environmental Engineering

Environmental Engineering & Hygiene Consultancy Services – energy conservation, air quality monitoring, recycling, LEED certification advice, water treatment, water distribution, effluent treatment, spill prevention, chemical & hazardous material audits, food hygiene audits in hotels and restaurant chains, food manufacturing, swimming pools, contractor camp hygiene and so on.

- Environmental management, project management, environmental strategies, spill prevention drills, pollution response planning, corporate governance
- Environmental risk analysis, environmental risk management, zero impact studies, remedial action
- Water treatment, water distribution, dispersion modelling, and effluent treatment management
- Food hygiene audits, hotels & restaurant chains, food manufacturing, swimming pools, contractor camp hygiene
- Chemical & hazardous material audits, HAZMAT
- EIA (environmental impact assessment) & HIA (health impact assessment)
- Energy conservation, environmental monitoring, acoustic pollution control, air quality monitoring, recycling, LEED certification advice



## Facilities Management

Facility Management Consultancy Services – develop new O&M programs for all types of new construction buildings & facilities.

- Develop O&M programs, asset management advice
- Audit current O&M operations at existing buildings & facilities, perform gap analysis, life cycle costing, managing associated risks, aligning service delivery levels with core business requirements
- Identify improvement opportunities, reduce costs and implement MOC (management of change)
- Provide technical support, maintenance strategies and operational budgets to ensure facilities are compliant, run efficiently and provide a safe environment for occupants and customers.
- BMS (Building Management Systems), building services, air-conditioning systems, heat & energy recovery, district cooling, fan coil systems, air handlers, VAV, chillers systems, duct work maintenance advice

## Security Engineering

Security Engineering Consultancy Services – active and physical systems, intrusion detection, CCTV observation systems, access control, vehicle control & tracking, automation systems, passive and barrier security, and so on.

- Access management, drills, security strategies, emergency response planning
- Security risk analysis & risk management
- Integrated security, passive security, active and physical security systems, perimeter protection & detection
- Intrusion detection, CCTV observation systems, access control
- Vehicle control barriers, security automation systems
- Area warning siren systems, plant security
- ALARP, LOPA security assessment
- Security incident response testing, safe rooms

# NCE CONSULT

## Company Info

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