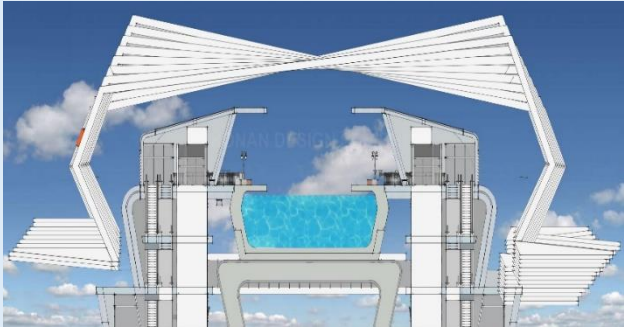




# COMPANY PROFILE



**Nexus EC Sdn Bhd**

**No 86-2, Jalan Puteri 5/5**

**Bandar Puteri,  
47100 Puchong**

**Selangor Darul Ehsan**

**Tel: 03 – 5882 8967**

**Mobile : 013 – 399 6357**

**Email : [nexusec@gmail.com](mailto:nexusec@gmail.com)**

**Web : [www.nexusec.com](http://www.nexusec.com)**

# ABOUT US

Nexus EC Sdn Bhd is a consulting firm involved in various aspect of engineering disciplines that encompasses Civil and Structure, Mechanical and Electrical, Geotechnical, Environmental Geotechnics, Highway and Railway Engineering, Expert Witness, Engineering Forensics, Accredited Geotechnical Checker, Erosion and Sediment Control Plans (ESCP), Renewable Energy, Flood Mitigation and Water Resource Management.

The firm is established with specific objective of offering optimum engineering solution under single roof, enabling the firm to offer cost effective, rapid and immediate solutions to it's client in the rapidly growing engineering and construction industry in Malaysia.

The firm offers a strong commitment to serve the client's need in various kind of projects by utilizing its specialized expertise in formulating sound engineering solutions comprising vital elements of practicality, safety and cost effectiveness.

## MISSION

To be innovative and successful engineering consultancy firm, trust by our clients. We are committed to provide the best engineering solutions to various problems encountered by our clients.

We are also committed to delivered Carbon Footprint reduced projects as compare to others as we are Rainforest Safe Company™.

## VISION

Nexus EC to be known as multidisciplinary, Engineering firm company, that provides innovation, cost-effective design, and committed to provide total satisfaction to our clients. We take holistic approach and multidisciplinary to our projects integrating our solutions that reflect the complexity of the problems we solve.

# OUR PROFESSIONAL SERVICES

**Nexus EC Sdn Bhd** provides consulting services for:

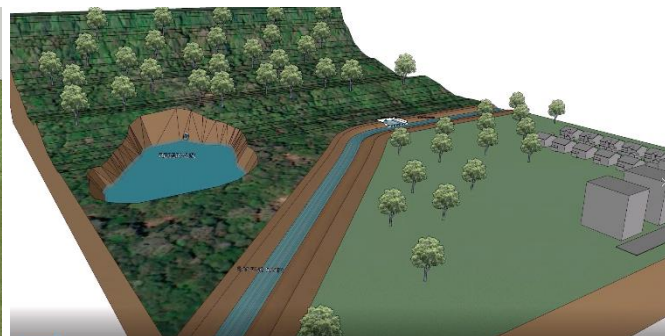
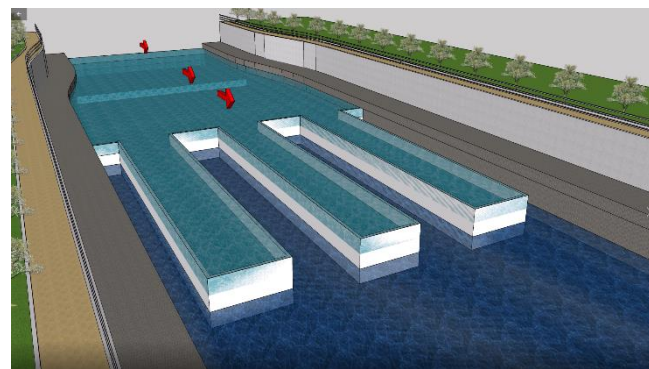
- ❖ **Structural - Super and Sub Structure Works**
- ❖ **Structures – Foundation Design and Remedial Works**
- ❖ **Geotechnical Works**
- ❖ **Geotechnical Remedial Works**
- ❖ **Engineering Audit**
- ❖ **Accredited Geotechnical Checker**
- ❖ **Engineering Forensic**
- ❖ **Engineering Study Projects & Hill Site Development**
- ❖ **Environmental Geotechnics (Landfill Design & Waste Management)**
- ❖ **Value Engineering**
- ❖ **Project Management**
- ❖ **Expert Witness**
- ❖ **EIA Consultant Subject Specialist**
- ❖ **Erosion and Sediment Control Plan (ESCP)**
- ❖ **Flood Mitigation and Water Resource Management**
- ❖ **Renewable Energy (Solar, Biogas & Carbon Footprint Reduction)**
- ❖ **Supervision of Construction**

# FLOOD MITIGATION & WATER RESOURCE ENGINEERING

**NEXUS EC's** 3rd generation flood mitigation designed with consideration of climate change factors, environmentally friendly, and with social responsibilities. Components such as Aqueduct (Patent Reference No: PI 2017704570) and Aque Arteries were patented by Nexus EC. Our approach on flood mitigation involves not just on ground techniques but underground and elevated techniques with consideration of site topography and development intensity.

## **BENEFITS OF NEXUS EC FLOOD MITIGATION & WATER RESOURCE ENGINEERING:**

- ❖ Development of unique solution based on project locations
- ❖ Integration of flood mitigation and water resource concepts where excess flood water are stored, treated and provide to public
- ❖ Scalable solution whereby components can be added when there are necessity
- ❖ Dual function of components where it channels floodway and used as river navigation for tourism and navigation.
- ❖ Value Added to the state/project location once project is completed



# STRUCTURAL WORKS



**Nexus EC** provides wide range of structural works as follows:

- ❖ Super and Sub Structure Works
- ❖ Foundation Designs
- ❖ Structural Remedial Works
- ❖ Steel structure for factories & others
- ❖ Housing, commercial and high rise development
- ❖ Various type of structures



# GEOTECHNICAL WORKS

**Nexus EC** provides consulting services in geotechnical engineering, primarily for slope and geotechnical works for highway, railway and infrastructure projects.

We have applied our expertise in these disciplines to a wide range of geotechnical projects such as:

- ❖ Designing of highway, road and railway and building foundations works.
- ❖ Geohazard & risk mapping of slopes includes survey, mapping, analysis, and mitigation concepts.
- ❖ Geotechnical related surface and subsurface drainage works
- ❖ Slope stabilization system.
- ❖ Investigation of ground, underground structure and foundation movement.
- ❖ Preparation of the geotechnical assessment, detail geotechnical design and report.
- ❖ Preparation of independent geotechnical reports
- ❖ Planning and supervision of site investigation works.



# GEOTECHNICAL & GEOLOGICAL REMEDIAL WORKS

**Nexus EC** has team of experienced geotechnical engineers and engineering geologist whom can provide practical solutions for geotechnical and geological related problem.

We apply these specialty techniques for cost effective solutions, reliable and fast remedial works. We provide remedial works as follow:

- ❖ Slope and rockfall failure investigation and propose suitable remedial works.
- ❖ Instrumentation & monitoring
- ❖ Ground movements and excessive settlement
- ❖ Sinkhole formation



**Nexus EC** Team ensure high quality services and support for the best technical solutions in relation to project obligations and criteria of quality, timing, and cost. We are pro-active in providing direction and leadership in the value engineering process. Value engineering can go long way by providing the client with a project they can be proud off when all of the team members are truly committed to success.

We provide value engineering and recommendations which includes: -

- ❖ Project data gathering
- ❖ Analysis of critical components for potential saving
- ❖ Generation of ideas for alternative design solutions
- ❖ Evaluation of alternatives with respect to cost
- ❖ Reliability and availability
- ❖ Development of preferred solutions
- ❖ Develop the decision making matrix
- ❖ Recommendations for implementation.





# ACCREDITED GEOTECHNICAL CHECKER

We at **Nexus EC** have vast experience in performing engineering audit for structural and geotechnical related work. The main objective of this exercise carried out by the clients are to ensure they obtain reliable, cost effective, constructable and safe engineering solutions from their principal consultant of the project. We have completed many projects related to engineering audit, for both private and government sectors.

## OUR REGISTRATION

We are also Accredited Geotechnical Checker registered with Malaysian Board of Engineers (BEM).

We provide Independent Geotechnical Check Consultant (ICC) services for:

- ❖ Developers of railway and highway projects
- ❖ Public and government agencies
- ❖ Government Link Companies
- ❖ Main and sub contractors
- ❖ Private organizations
- ❖ Private land developers



# ENGINEERING FORENSIC

**NEXUS EC** have long been trusted as well-established engineering forensic investigator and field instrumentation specialist. Being accredited checker registered with Malaysian Board of Engineers (BEM). We have been involved in numerous infrastructures, structural and geotechnical aspects of failure investigations, for complex and high profile projects.

We would investigate and apply relevant code of practice, safety procedures, and methodology of construction related to the applied engineering principles in order to obtain the facts for Engineering Forensic findings.

We believe the importance of conducting detail assessment in order to identify the sequence of events leading to the failure.

We provide the Engineering Forensic for: -

- ❖ Private property owners, developers, and tenants
- ❖ Public and government agencies
- ❖ Contractors
- ❖ Designers, material manufacturers
- ❖ Law Firms
- ❖ Insurance companies



# EXPERT WITNESS

**NEXUS EC's** has in-house expertise's whom will be able to provide expert witness for engineering related cases.



Our expert assist lawyers in preparing the required strategy to win the case. We also provide expert witness advice, critical assessments of reports by other experts and assistance the counsel for cross-examination.



# ENVIRONMENTAL GEOTECHNICS LANDFILL DESIGN & WASTE MANAGEMENT

**Nexus EC** is highly experience in designing new landfill and also lifespan extension of old landfill by performing vertical expansion.

We design for:

- 1) Municipal Solid Water (MSW) Landfill
- 2) Inert Landfill
- 3) Secured hazardous waste disposal
- 4) Waste to energy facility
- 5) Landfill gas extraction for power generation



# RENEWABLE ENERGY SOLAR, BIOGAS & CARBON FOOTPRINT

Nexus EC have qualified team with certified personnel registered with Sustainable Energy Development Authority (SEDA) Malaysia for the exploration and enhancement of renewable energy source using Solar Photovoltaic systems and biogas.

We also develop project components with in Carbon Footprint reduction. In global situation where rising Carbon Dioxide poses major affects to the earth, people and environment, Carbon Footprint reduction able to subside the emission levels by incorporation of sustainable development. We can advise the best method of reducing carbon footprint in a project which environmental friendly and also cost saving.



# CONTACT US

## OUR LOCATION



### **Nexus EC Sdn Bhd (HQ)**

No 86-2, Jalan Puteri 5/5  
Bandar Puteri,  
47100 Puchong  
Selangor Darul Ehsan  
Tel : 03 – 5882 8967  
Mobile : 013 – 399 6357  
Email : [nexusec@gmail.com](mailto:nexusec@gmail.com)  
Web : [www.nexusec.com](http://www.nexusec.com)

### **BRANCHERS**

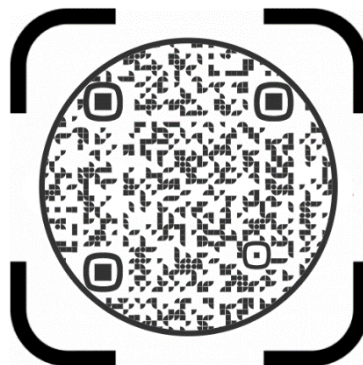
#### **PENANG**

No.22, Penang St, Georgetown,  
10200 George Town,  
Penang.

#### **PERAK**

No. 36, 36A Laluan Puspa Timur 1,  
Taman Bandar Baru Puspa,  
31550 Pusing, Perak Darul Ridzuan.

### **SCAN ME**



#### **NEGERI SEMBILAN**

274-B-1, Taman AST, Jalan Sungai Ujong,  
70200 Seremban, Negeri Sembilan Darul  
Khusus.

#### **SARAWAK**

Lot 2215, Jalan Utama Pending Industrial  
Estate, 93450 Kuching, Sarawak

#### **SABAH**

SH-9-6-2, Rear Section,  
2ND Floor, Taman Suria Shop Office,  
89500 Penampang, Sabah