

# Vaithilingam Arumugam

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[Tabuk Province] | [Dubai] | [0555431519] | [vaithilingam.mech@gmail.com]

## PROFILE

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Strongly skilled and hardworking Mechanical engineer with thorough familiarity with Plumbing & Firefighting; Projects Experience; 08 Years and 9 months; Intends to be the Superintendent of the Biggest Company in the World.

## EDUCATIONAL QUALIFICATIONS:

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- **Bachelor of Engineering in Mechanical Engineering** with First class division from SVS College of Engineering, Coimbatore, India.
- **Diploma of Engineering in Mechanical Engineering** with First class division from Karpagam Polytechnic College, Coimbatore, India.

## WORK EXPOSURE:

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- **All Mechanical Works (Plumbing / Fire Fighting/ Irrigation/ Chilled Water Piping “Underground & Above Ground” / LPG Gas/ Fuel station system)** as per Approved IFC Drawings, Specifications (Royal Commission Specifications & Saudi Electricity company) and Safety & Quality Regulations as follows: -
- **Plumbing:** - Installation of Sanitary Waste, Storm and Vent Pipes.  
Cold Water Supply Pipes & Hot Water Supply & Return Pipes Including Sanitary Fixtures & Booster Pump Set with all related Accessories & Fittings.
- **Fire Fighting Sprinkler System:** - Installation of Carbon Steel Pipes, Seamless, ASTM A53 Grade A & B, Schedule 40 for Fire Sprinkler System Including Jockey, Electrical & Diesel Pumps with all related Accessories & Fittings.
- **Infrastructure:** - Installation of HDPE pipeline, uPVC Class 3 & 4 and FRP Storm Drainage, Sanitary Waste Pipeline Networks, uPVC Class 5 & RTR Potable, Irrigation, Firefighting Pipeline Networks & Pre-insulated Carbon Steel Chilled Water Systems Including Catch Basins, Manholes, Water Meter Boxes, Solenoid Valve Boxes, Sprinklers & Bubblers, Valve Chambers with all related Accessories & Fittings.
- **Chilled Water Piping “Underground & above Ground”:** - Installation of Pre-Insulated Carbon Steel Underground Chilled Water Piping including Field Joint Insulation & Installation of Carbon Steel Pipes including Motorized Control Valve with all Related Accessories.
- **LPG Gas System:** Installation of HDPE and Carbon steel pipes with valve box, and installation of LPG tank with all Related Accessories.
- **Fuel station system:** Installation of Fuel dispenser with sensors, dispenser sump, fuel tank with sump and sensors, HDPE fuel pipelines from fuel tank to fuel dispensers, filling and vapour pipelines.
- **Material Technical Submittals & Method Statements:** - Preparing material submittals, ITP and Following and verifying that it will be approved by Client Representative Field Mechanical Engineer.

## PROJECTS:

> 2016- 2018   

### 1: Construction of Dhahran Home 380 KV 115 / 13.8 BSP Substation. Dharan, KSA.

Project consists of: **Construction of 380, 115, and 13.8 KV Buildings, Control building with Tunnels and guard house.**

Project Duration: **1.5 Years**, started in 2016-2018

Project Includes: **Responsible for the mechanical activities of: Installation of Booster pump, sump pump, Transformer pit pumps, water transfer pumps with related pipes and sensor systems with all related accessories. And Fire pumps –Electrical, diesel and jockey fire pumps with sprinkler systems. Infrastructure and building work for Installation of Storm Drainage, Sanitary Waste, and Potable water system.**

> 2018- 2019    

### 2: Rabigh II Project Utilities & Offsite Project Package (UOSP) KSA. Rabigh, KSA.

Project consists of: **Construction of Offices and Warehouses**

Project Duration: **1 Years**, started in 2018-2019

Project Includes: **Infrastructure and building work for Installation of Storm Drainage, Sanitary Waste, and Potable water, firefighting system.**

> 2019- 2021   

### 3: Construction of Haradh, 380/230 KV BSP - Substation. Dharan, KSA.

Project consists of: **Construction of 380, 230 KV Buildings, Control building, Support building with Tunnels and guard house.**

Project Duration: **2 Years**, started in 2019-2021

Project Includes: **Responsible for the mechanical activities of: Installation of Booster pump, sump pump, Transformer pit pumps, water transfer pumps with related pipes and sensor systems with all related accessories. And Fire pumps –Electrical, diesel and jockey fire pumps with sprinkler systems. Infrastructure and building work for Installation of Storm Drainage, Sanitary Waste, and Potable water system.**

> 2021 -2022   

### 4: Construction of Al Aseelh, 380/ 132 / 13.8 KV BSP - Substation. Jizan, KSA.

Project consists of: **Construction of 380, 132 / 13.8 KV Buildings, Control building, Support building with Tunnels and guard house.**

Project Duration: **1 Year**, started in 2021-2022

Project Includes: **Responsible for the mechanical activities of: Installation of Booster pump, sump pump, Transformer pit pumps, water transfer pumps with related pipes and sensor systems with all related accessories. And Fire pumps –Electrical, diesel and jockey fire pumps with sprinkler systems. Infrastructure and building work for Installation of Storm Drainage, Sanitary Waste, and Potable water system.**



**5: Construction of Site offices, Display Model Building & Staff Accommodation for sharaan Resort No.01. Al Ula, KSA.**

Project consists of: **RCU office, site office, kitchen, Accommodation, Recreation, Gym and Model display building.**

Project Duration: **1 Year**, started in 2022-2023

Project Includes: **Responsible of the mechanical activities of: Installation of Booster pump with potable water system, Irrigation pumps with automatic sprinkler system and Fire pumps –(Electrical, diesel and jockey ) with sprinkler system. Diesel tanks with pumps, Split A/C units, Infrastructure & building work for Installation of Storm Drainage, SanitaryWaste, and Potable water system.**



**6: Construction of Hegra North & Qaa AlHajj Gas station project. Al Ula, KSA.**

Project consists of: **Fuel station system, Garage unit and Restaurant, Mosque. Office**

Project Duration: **1 Year**, started in 2023-2024

Project Includes: **Responsible of the mechanical activities of: Installation of fuel system with tank and dispensers, LPG Gas system, Garage equipment's, Booster pump with potable water system, Irrigation pumps with manual system and Fire pumps – (Electrical, diesel and jockey) with sprinkler and FHC system. Split A/C units, Infrastructure & building work for Installation of Storm Drainage, Sanitary Waste, and Potable water system.**



**6: Construction of Neom Green Hydrogen project – BESS Plant (SS). Duba, KSA.**

Project consists of: **Control building, switch gear building, battery containers.**

Project Duration: started in 2024

Project Includes: **Responsible of the mechanical activities of: Installation of Booster pump with potable water system, Irrigation pumps with automatic sprinkler system and Fire pumps – (Electrical, diesel and jockey) with sprinkler system. Diesel tanks with pumps, Split A/C units, Infrastructure & building work for Installation of Storm Drainage, Sanitary Waste, and Potable water system, & HVAC System.**

## Certification

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- **Mechanical Engineering Accreditation Certificate, Saudi Council of Engineers.**
- **Auto CAD, MS-Office, Excel, Power-Point.**



## Personal Detail's

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Name : Vaithilingam Arumugam  
Marital Status : Married  
Nationality : Indian  
Passport No : **(S6958886)**  
Languages : English, Hindi, Tamil, Arabic (Basic).

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

**Place: Duba, Saudi Arabia**

**Date:**

**Vaithilingam Arumugam**