



Project Profile



Major Projects

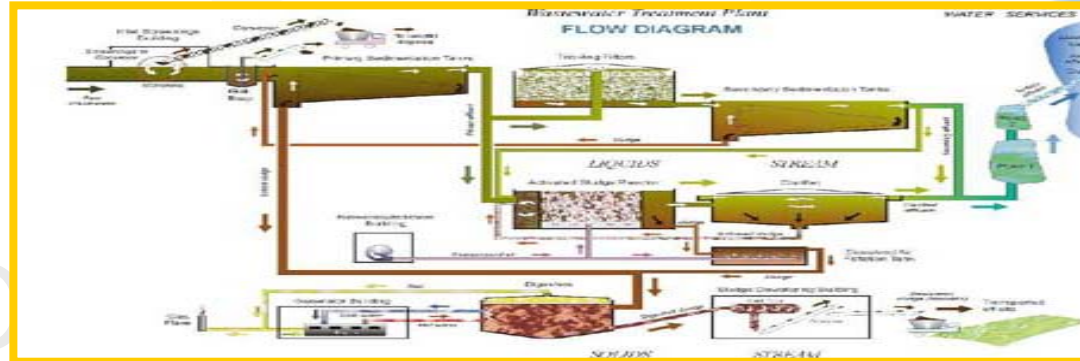
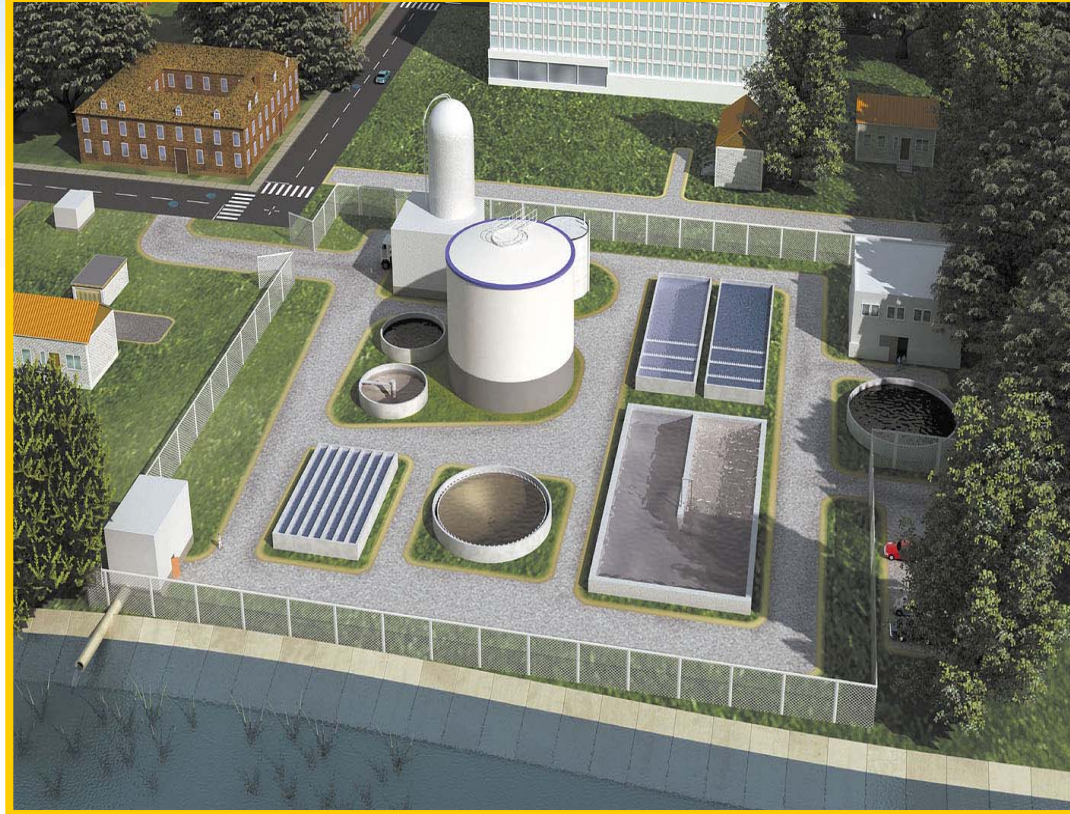


2 MIGD Sewage Treatment Plant

EEC Global has provided consultancy services on behalf of 3W Systems to DHA Karachi for their 2.0 MGD Waste Water Treatment Project at Creek City Karachi. The scope of our consultancy services includes following:-

- Bid evaluation of the offers received on Engineering Procurement & Construction basis from contractors.
- Design Review of the Waste Water Treatment Plant after award of the contract.
- TOP supervision of the construction works during the period of the construction of Plant at site.
- The total scope of this contract was spread over a period of more that 24 months.

The project was abandoned due to change of decision by DHA after design stage and start of construction job.



Major Projects



EEC Global Pvt. Ltd

Extension of Nestle Effluent Treatment Plant

EEC Global has provided consultancy services to 3W Systems for their Nestle Milkpack Effluent Treatment Plant at Kabirwala. The scope of our job included :-

- Design Review of Plant, Process Design, Selection of all Mechanical & Electrical Works related to expansion job.
- Site Supervision during construction job.

The project has successfully been commissioned in Nov. 2007.



Major Projects



EEC Global Pvt. Ltd

80 M3/day Waste Water Treatment Plant at METRO Lahore, Faisalabad & Karachi

EEC Global has provided consultancy services to M/s 3W Systems, main contractor of Metro Cash & Carry for their STP. Our scope included following:-

- Process Design of Waste Water Package Treatment Plant.
- Selection of all Mechanical equipments like Pumping System, Aeration system, piping, valves, etc related to STP.
- Selection of all Electrical System like Power controls and cabling system, automation of plant etc related to STP.
- Site Supervision for the successful installation & Commissioning.

All Metro STP projects has been completed within 2008-09 and the waste is good for recycling purpose for use in horticulture.



Major Projects



EEC Global Pvt. Ltd

EPC Job – 4.0 MGD Waste Water Treatment Plant DHA Karachi

EEC Global has provided consultancy services to 3W Systems at bidding stage of the mega project at DHA Karachi. Our design scope included following:-

- Design of Compact Waste Water Treatment Plant for a very limited space available.
- Sizing & Selection of all Mechanical works like Pumping System, Aeration system, piping, valves, etc related to STP.
- Sizing & Selection of all Electrical System like Power controls and cabling system, automation of plant etc related to STP.
- Preliminary drawings for all Civil Works related to STP alongwith diversion chambers and piping.

The project was subsequently postponed due to composite STP being planned by KWSB.



Major Projects



EEC Global Pvt. Ltd

EPC Job – 0.76 MGD Waste Water Treatment Plant Engro Chemical Dharaki Sindh

EEC Global has provided consultancy services to 3W Systems at bidding stage of the Engro Fertilizer for their composite STP. Our bid scope included following:-

- Design of Effluent Treatment Plant.
- Sizing & Selection of all Mechanical works like Pumping System, Aeration system, piping, valves, etc related to STP.
- Sizing & Selection of all Electrical System like Power controls and cabling system, automation of plant etc related to STP.
- Preliminary drawings for all Civil Works related to STP alongwith diversion chambers and piping.



Major Projects



EEC Global Pvt. Ltd

EPC Job – 0.65 MGD Waste Water Treatment Plant at FFC – III Mirpur Mathelo

EEC Global has provided consultancy services to 3W Systems at bidding stage of the FFC-III Fertilizer for their composite STP. Our scope included following:-

- Design of Waste Water Treatment Plant.
- Sizing & Selection of all Mechanical works like Pumping System, Aeration system, piping, valves, etc related to STP.
- Sizing & Selection of all Electrical System like Power controls and cabling system, automation of plant etc related to STP.
- Preliminary drawings for all Civil Works related to STP alongwith diversion chambers and piping.



Major Projects



EEC Global Pvt. Ltd

EPC Job – 0.25 MGD Waste Water Treatment Plant at LUMS Lahore

EEC Global has provided consultancy services to 3W Systems at bidding stage of the LUMS STP. The bid scope included following:-

- Design of Compact Waste Water Treatment Plant for a very limited space available.
- Sizing & Selection of all Mechanical works like Pumping System, Aeration system, piping, valves, etc related to STP.
- Sizing & Selection of all Electrical System like Power controls and cabling system, automation of plant etc related to STP.
- Preliminary drawings for all Civil Works related to STP alongwith diversion chambers and piping.



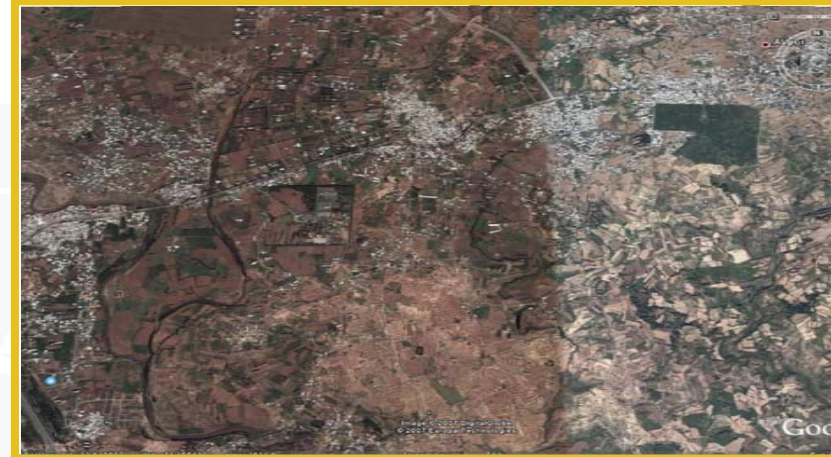
Major Projects



EEC Global Pvt. Ltd

2 MGD WATER SUPPLY & DISTRIBUTION SYSTEM ALHAMRA HILLS & AVENUE PROJECT ISLAMABAD:

- Large Housing Project spread over an area of 40,000 Kanal of land. EEC Global has completed design and engineering of Water Supply System and distribution network on this project.
- The construction of the project is in progress. The project owner is M/s HRL of Lahore-Pakistan.



EEC Global

Major Projects

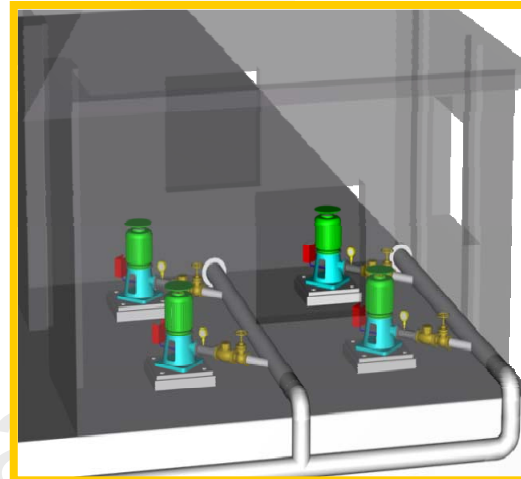
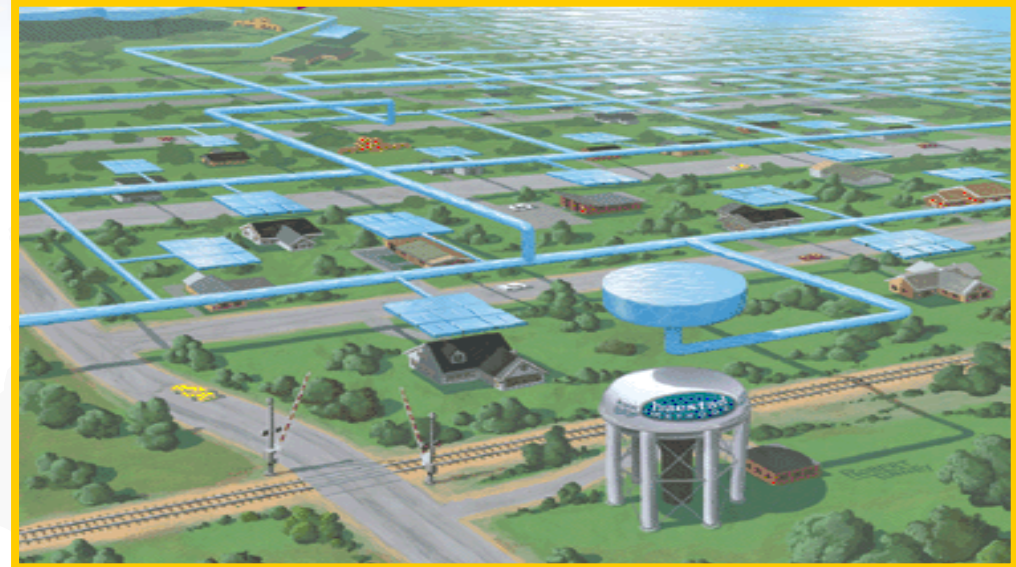


EEC Global Pvt. Ltd

5.4MGD Water Supply and Distribution System – DHA Islamabad

EEC Global has successfully completed design review of 5.4 MGD Water Supply as well as Water Distribution Network, Storm Water System, Waste Water Collection & Treatment System for below projects;

- Defence Housing Authority, Phase II, Islamabad is a huge residential complex comprising of 30,000's Kanal of land, we did design review and implementation of the project through project contractor M/s HRL of Lahore-Pakistan. The project was completed in 2006.
- Commoner's Town, DHA, Phase II Extension, Islamabad is a large housing complex of around 10,000 Kanal of land, we did complete design of utilities and implementation of the project through project contractor M/s HRL of Lahore-Pakistan. The project was completed in 2006.



Major Projects



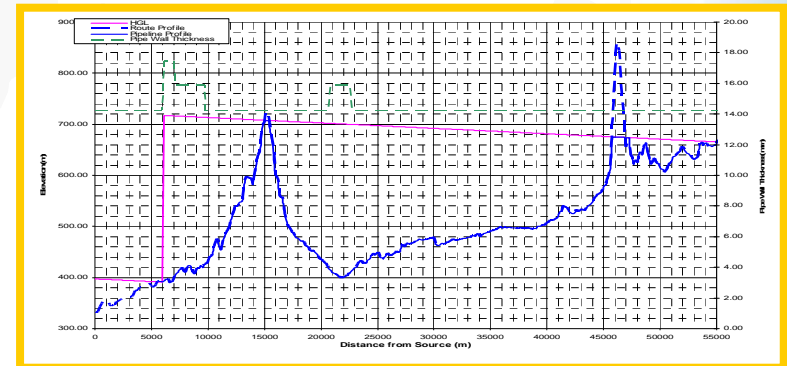
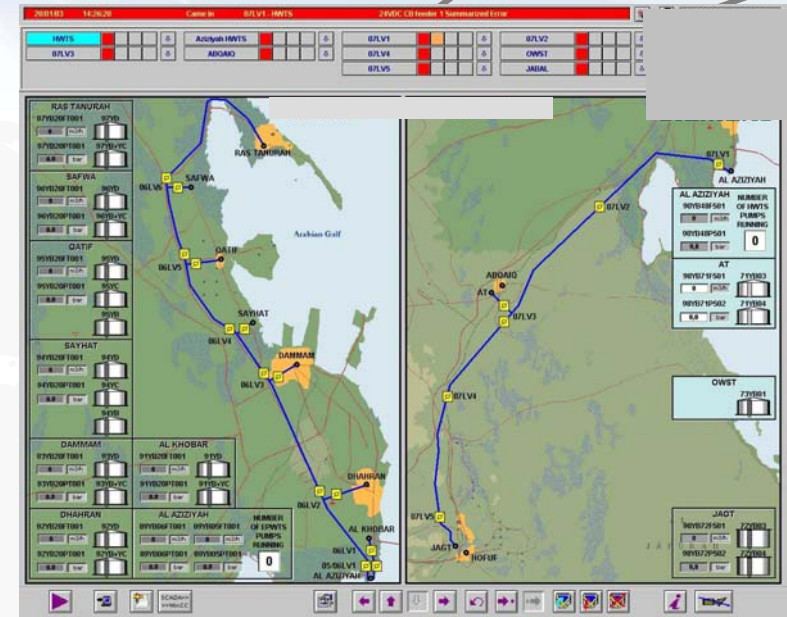
EEC Global Pvt. Ltd

500 MGD Water Supply System, Islamabad

EEC Global has successfully completed the design and engineering of Pakistan's ever largest water supply system project at prefeasibility stage. The project valuing around US\$ 700 M. EEC engineering team was engaged by M/s Mott MacDonald's Pakistan for the pre-feasibility study of mega water supply system for Islamabad in 2005-06. The scope of our service for this project included following :-

- Design of Intake Structure & Pump House at Ghazi near Tarbela.
- Design of Rising Main (Piping Systems) for 400 MIGD Water Supply System.
- Transient Analysis of the Piping System for stage 1 & 2.
- Design of Transition System from stage 1 & 2.
- Preliminary specifications of Pumping Equipment.
- We have successfully submitted our pre-feasibility report to M/s Mott MacDonald's and this project is under approval from Capital Development Authority – Islamabad Pakistan.

The first phase of the project is likely to be tendered after approval of the federal government in 2009.



Water & Waste Water Consultancy Services

EEC Global

Major Projects



EEC Global Pvt. Ltd

0.5 MGD Water Supply & Water & Sewage Treatment System – Minawa Constructions- Islamabad:.

EEC Global has designed the complete water supply and Sewage System for 400 apartment complex under construction at new Murree Express Highway.

- River Intake Structure
- Water Supply Pumping System
- Overhead Water Supply System
- Water Treatment System
- Wastewater Collection System
- Wastewater Treatment System



Major Projects



EEC Global Pvt. Ltd

Hydraulic Modeling of Intake Structures

Chushnuup 320 MW Power Plant

EEC Global in collaboration with its foreign principals M/s Hydrotec Ltd. UK prepared a detailed feasibility report for conducting hydraulic model study of the intake structure of the Cooling Water Pumps forebay at Chashma Nuclear Power Plant at Kundian, which used to clogs and cease to operate during high flood season due to deposition of heavy silt upto 4 meters level in the CW Pumps forebay.

The initial study highlighted different possibilities to stop accumulation of silt in the forebay. This study is under implementation stage.



Major Projects



EEC Global Pvt. Ltd

Testing of Pumping Machinery at Quetta Water Supply Project

EEC Global have been involved in the site testing of pumping machinery supplied by one of the pump manufacturer at Quetta water supply project in the province of Baluchistan-Pakistan.

We successfully tested the machinery in the presence of M/s NESPAK representatives (Consultants) and the machinery was approved for use in the water supply scheme.



Major Projects



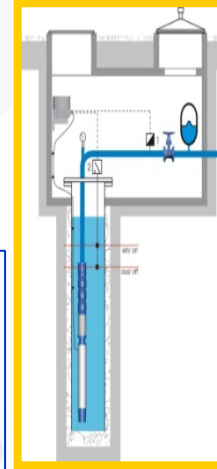
EEC Global Pvt. Ltd

Dewatering Pumps for Taunsa Barrage & Lowari Tunnel Project

EEC Global provided consultancy services to 3W Systems, main contractor for dewatering operation of Indus river during Remodeling of **Taunsa Barrage Project** in southern Punjab province of Pakistan. Due to effective consultancy support, dewatering contractor 3W Systems and main contractor M/s Descon Engineering Limited Pakistan were able to complete the project 1 years ahead of schedule.

The project involved more than 250 dewatering pumping system of submersible borehole type of various flows and centrifugal pumps of various specifications.

EEC Global also provided consultancy services for Dewatering operation for **Lowari Tunnel Project** to Sambu Construction Korea through dewatering contractor M/s 3W Systems.



Major Projects



EEC Global Pvt. Ltd

Design of Variable Speed Drive Pumping System for Interloop Pvt. Limited Faisalabad

M/s Interloop is Asia's largest Socks Manufacturing Plant with a total production of 75,000 Dozens Socks a day.

EEC Global designed an energy efficient system based on installation of 08 pumping system each of 120 M³/Hr. including pressure tanks and automation system with Variable Speed Drive System.

All these pumps operate in parallel and are capable to delivery from 10 M³/Hr. upto 960 M³/Hr to 25 Dying machines and washing machines of the factory. All of these machine have different intermittent operating cycles and can operate anytime and is designed for water filling time of 2.50 minutes per machine.

These system is operating satisfactorily for the last three years.



Major Projects



EEC Global Pvt. Ltd

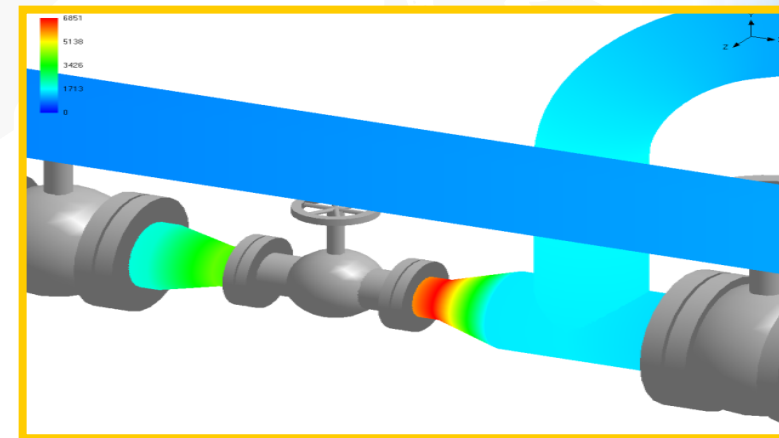
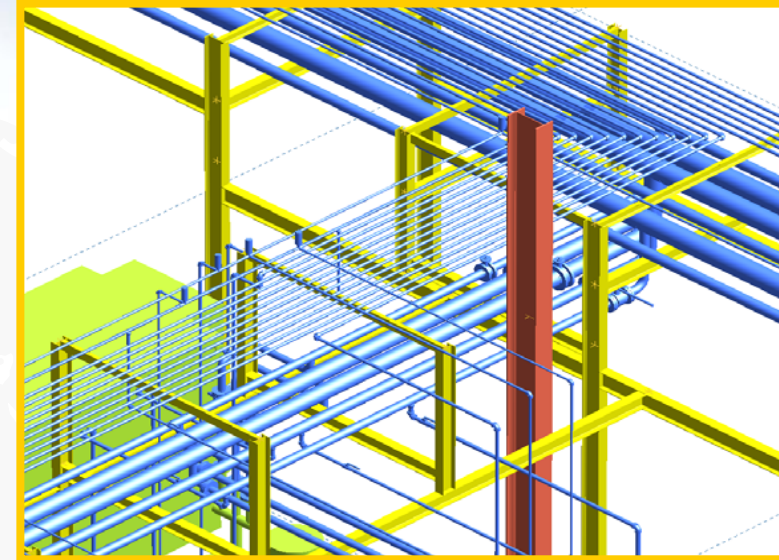
Plant Design for

- M/s Interloop Pvt. Ltd. Faisalabad.
- Proctor & Gamble (P&G) Karachi
- Proctor & Gamble (P&G) Ukraine

EEC Global has done 3D Plant Modeling of the entire plant including plant piping for Raw Water, Soft Water, Hot Water, Steam, Condensate, Gas, Air & Chemicals pipe as well as all mechanical, electrical & civil works. Our design included.

- Hydraulic design.
- Process Flow & P & I Diagram.
- 3D Plant Modeling of all plant components.
- Material Take off / BOQ
- Piping Plans
- Isometricsiping Stress Analysis
- Piping Support Structure
- Civil Works details.
- Electrical Works including cable tray, routing and other items.

M/s Interloop Project was completed and implemented in 2006, whereas P&G Projects have been completed in 2008-09



Major Projects Fire Suppression System EPC Projects



EEC Global Pvt. Ltd

- National Engineering & Scientific Commission (NESCOM) Islamabad (11 Statelite Buildings) Class I & Class II Systems as per NFPA.

- Amason Pharmaceutical Islamabad. (Industrial Complex)

- Interloop Pvt. Limited Faisalabad. (Industrial Complex)

- Quaid-e-Azam International (QIH) 400 Bedded Hospital Islamabad.

EEC Global has provided consultancy services to 3W Systems for their above projects. The scope of our consultancy services included following:-

- Design of Main & Auxiliary Fire Fighting Systems of as per guidelines from NFPA 20 for Class I and Class II Systems.
- Design of Pumping Machinery, Automation System, Piping Network, Fire Hydrants, Fire Equipment and Miscellaneous Civil, Electrical & Mechanical Works related to the System.



EEC Global

Major Projects

Fire Detection & Alarm System

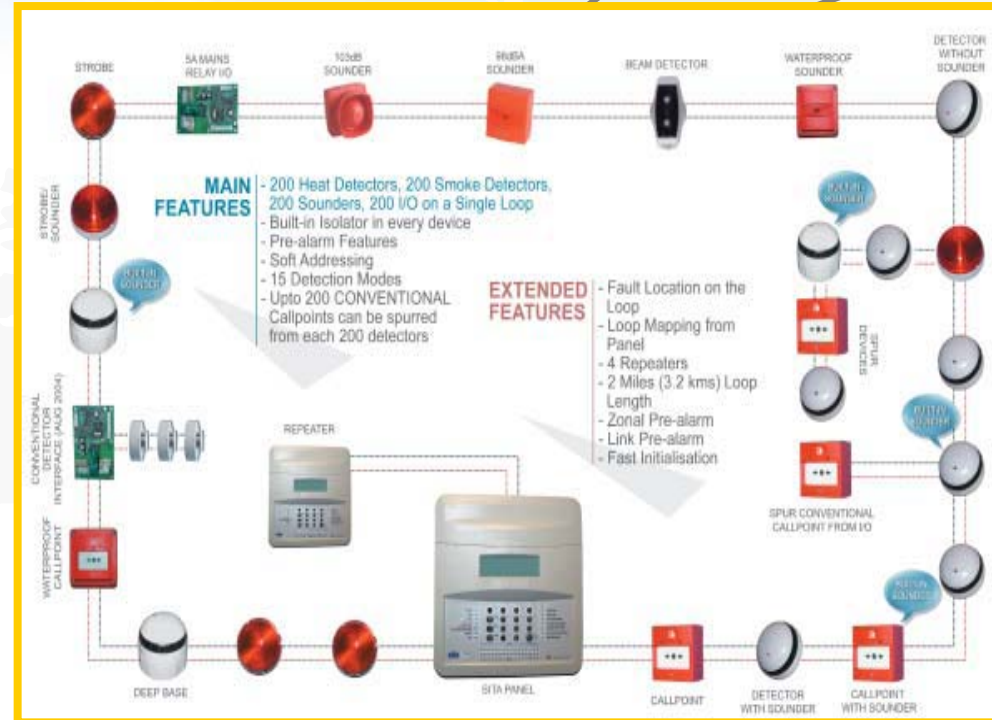


EEC Global Pvt. Ltd

- M/s Interloop Pvt. Ltd. Faisalabad
- M/s Amason Pharmaceutical Islamabad.
- M/s Quaid-e-azam International Hospital – Islamabad.
- NDC Fire Alarm Systems (05 different sites & buildings)

EEC Global has provided consultancy services to 3W Systems for their above projects. The scope of our consultancy services included following:-

- Design as per BS 5839-1:2002 & NFPA Fire Detection and Fire Alarm System for Buildings.



Water & Waste Water Consultancy Services

EEC Global