



***Safety & Firefighting
Program
2019***

Bamdad Industry & Trade of Energy Co.

“Bamdad Industry & Trade of Energy Co.” was established in 2013 by emerging of some well experienced engineers in the field of industrial utility supply.

After industrial revolution and expansion of human kind activities, accidents & associated casualties start to grow up rapidly which imposed heavy humanitarian & financial losses to the societies. These facts forced businesses to consider proportionate counter response to the accident risk and it was the beginning of safety and firefighting industry!

Safety and firefighting activities are normally categorized in “prevention and detection” and “control, suppression and firefighting” activities.

By concentrating on “fire and explosions” we could see fire detection & alarm category and a very wide range of firefighting activities. “Bamdad Industry & Trade of Energy Co.” Safety & Firefighting Program has been designed to satisfy these needs.

Our safety & firefighting program encompasses automatic fire detection & alarm systems, control and monitoring systems, portable and fixed water based firefighting systems and equipment, portable and fixed foam based firefighting systems and equipment, portable and fixed gaseous based systems and equipment.

Professional Performance

To guarantee professional performance of “Bamdad Industry & Trade of Energy Co.” and satisfying clients’ needs in a predefined and well established manner, we have bounded ourselves to strictly follow acceptable standards. Based on this background we have implemented:

- ISO 9001 Standard for quality management system.
- ISO 14001 Standard for environmental management system.
- ISO 18001 Standard for occupational health and safety management system.
- And the most important one, which serves project handling concerns, is ISO 21500 Standard for guidance on project management.



Consultation Services to the Clients

It is a bit hard to make a decision independently for clients who are not familiar with safety & firefighting fields, so we provide technical and financial consultation to potential clients to assist them to make a right decision to implement the right, proportionate and affordable project.

Safety & firefighting system designing of any project, basically depends on that project's risk factors. Based on occurrence probability and effect magnitude of each risk in a project, a customized and tailor made safety & firefighting solution would be provided for that project.

“Bamdad Industry & Trade of Energy Co.” as a specialist group would provide risk assessment services, basic and detail design of required systems and furnish commercial proposal for each project in case of client request.



Engineering

“Bamdad Industry & Trade of Energy Co.” with its well trained and experienced technical personnel would provide tailor made solution based on specific requirements of any project and internationally accepted standards such as NFPA, API, ASME, ANSI, BS, DIN etc..

Engineering activities include risk assessment, conceptual design, basic design, detailed design of safety & firefighting systems and all auxiliary and ancillary systems such as hydraulic calculation, piping etc.



Procurement

Based on requirements of each project, “Bamdad Industry & Trade of Energy Co.” could procure all required safety & firefighting equipment.

Water based equipment includes fixed and portable monitor, remote control monitor, self-oscillating monitor, various kinds of hydrants, fire box, hose & hose reel, safety shower & eye wash, deluge valve, alarm valve, Siamese connection, water nozzle, Spray nozzle, sprinkler, fire water pump and jockey pump.

Foam based equipment includes various kinds of foam monitor, foam nozzle, bladder tank, foam proportioner, foam chamber & pourer.

Detection and alarm systems include equipment such as heat detector, smoke detector, various kinds of gas detector, sounder & flasher.

Gaseous systems include various types of extinguishers, total flooding gas systems by various types of agents such as CO₂, INERT gas or artificial gases like FM200.

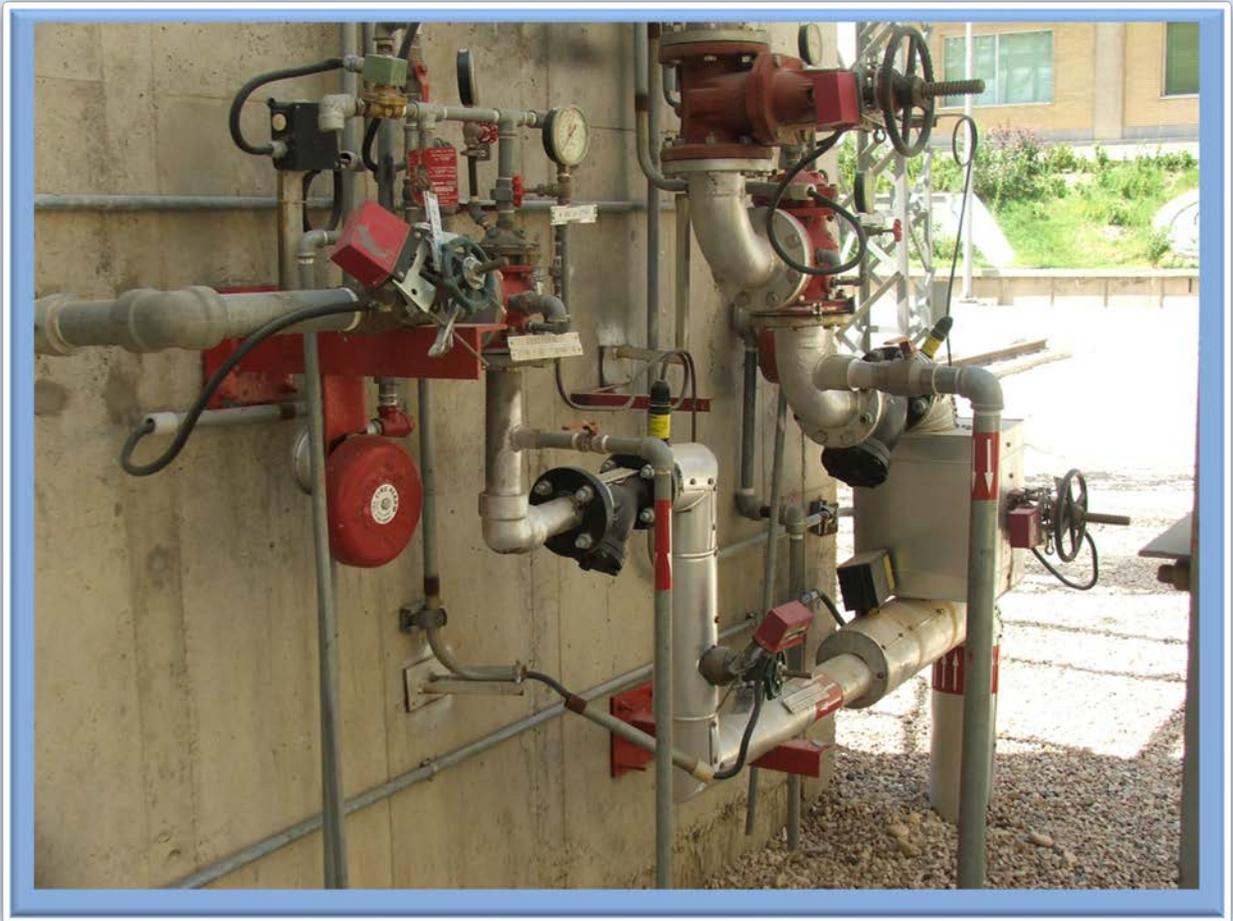
Control and Monitoring Systems

Control and monitoring system would be designed based on requirements of any project. Control and monitoring system could be as simple as a data logger or as complicated as possible by using SCADA, PLC & remote controlling facilities. Using modern mechanized control equipment make it possible to achieve ultimate flexibility.



Installation

“Bamdad Industry & Trade of Energy Co.” provides installation and commissioning services for safety and firefighting systems and equipment all around the country. It includes pre-commissioning and commissioning activities, system test running, system debugging & trouble shooting. In addition it includes all required auxiliaries and ancillaries such as piping, cabling, etc.



Operation & Maintenance

“Bamdad Industry & Trade of Energy Co.” provides a wide range of operation and maintenance services to the client from just providing original spare parts and consumables to guaranteed operation.

Operation and Maintenance service levels could be as follows:

- ***Spare parts delivery***
- ***Pre planed repairs***
- ***Overhauls***
- ***On-Call and Emergency repair and maintenance***
- ***Full package of Operation and Maintenance***



Operation & Maintenance Personnel Training

“Bamdad Industry & Trade of Energy Co.” provides technical training for operation and maintenance personnel of clients in Bamdad Academy or in client’s premises. This training includes knowledge and experience transfer from well trained and extensively experienced trainer to the attendees in a way that they could operate safety and firefighting system autonomously in a safe and sound and economical manner.



Turn key projects

Some clients are not willing to engage in technical difficulties of safety and firefighting systems or simply it is not their field of interest and activities. In this case “Bamdad Industry & trade of Energy Co.” is ready to take complete responsibility of project and run any safety and firefighting project on a turnkey basis.



