

CHAPTER FIVE
CONCLUSION AND RECOMMENDATIONS

5.1 Conclusion

The rapid spread of fire in gas companies still represent the main issue,so they need an effective system in detecting and fighting to put out firesbefore it lead to loss of materials and resources & safety of the human life.

In this project the simulation of the circuit was done using Proteusand it work properly when our flame sensors detect a fire it automatically set alarm in the company,turn off the power, turn off the gas valve, turn on the fire suppression system and send the location of fire to the civilian defense unit .

And when the gas sensor detect a leakage of gas the system automatically set alarm and turn off the main gas valve.

By achieving that we reduce the risks which facing workers , improving the responce time of detectingFire or gas and make the communicate with the civilian defense more quickly.

5.2 Recommendations

This project can be a start point for more advanced projects to develop thefirefightingsystems to become more safetyrecommend to:

- Add another sensors to the sela .
- Enhance the method of communication with civilian defenseunit.
- Use another type of fire sensor which have a high response time.