

## REFERENCES

- [1] [Online]. Available: <https://www.amci.com/industrial-automation-resources/plc-automation-tutorials/what-plc/> [Accessed 04 September 2016]
- [2] [Online]. Available:  
<http://www.mitsubishielectric.com/fa/products/cnt/plcq/pmerit/concept/index.html>  
[Accessed 04 September 2016]
- [3] [Online]. Available:  
<http://www.999mitsubishi.com/media/downloadable/pdf/Q%20Datasheet.pdf> [Accessed 04 September 2016]
- [4] [Online]. Available:  
[http://www.globalspec.com/learnmore/motion\\_controls/motors/ac\\_servo\\_motors](http://www.globalspec.com/learnmore/motion_controls/motors/ac_servo_motors) [Accessed 05 September 2016]
- [5] [Online]. Available:  
<http://dl.mitsubishielectric.com/dl/fa/document/manual/servo/sh030038/sh0300381.pdf> [Accessed 06 September 2016]
- [6] [Online]. Available:  
<http://dl.mitsubishielectric.com/dl/fa/document/catalog/ssc/103062/103062f.pdf> [Accessed 06 September 2016]
- [7] "Gear Backlash", [Online]. Available: <http://khkgears.net/gear-knowledge/gear-technical-reference/gear-backlash/> [Accessed 06 September 2016]
- [8] [Online]. Available: <https://www.solidworks.com/sw/onlinetour/3d-design.htm> [Accessed 06 September 2016]
- [9] [Online]. Available: <http://www.iec.ch/functionalsafety/> [Accessed 06 September 2016]
- [10] [Online]. Available: <http://ab.rockwellautomation.com/Sensors-Switches/Limit-Switches> [Accessed 07 September 2016]
- [11] [Online]. Available: <https://www.elprocus.com/types-of-sensors-with-circuits/> [Accessed 07 September 2016]
- [12] [Online]. Available: <https://www.galco.com/comp/prod/saftrela.htm> [Accessed 07 September 2016]