

Work In Progress: Intelligent Visual Factory Annunciation System

Jared Hilt
University of Indianapolis
hiltj@uindy.edu

Marko Tasic
University of Indianapolis
tasicm@uindy.edu

Victor Antoñon
University of Indianapolis
antononrodriguezv@uindy.edu

Mel Moore
University of Indianapolis
mcmoore@uindy.edu

Alex Pruitt
University of Indianapolis
pruitta@uindy.edu

Brugh Industrial Engineering has partnered with a team of senior students at the University of Indianapolis R.B. Annis School of Engineering to develop an intelligent visual factory annunciation system. The system utilizes moving head lighting fixtures from the entertainment/concert industry to provide immediate visual feedback for problems, troubleshooting, and process guidance in a manufacturing environment. This project required the student design team to evaluate existing protocols from multiple industries and create a common platform applicable to a factory environment. The end product will be able to direct attention to specific 3D locations and be integrated into already existing systems using a Programmable Logic Controller (PLC).