



**Henry Ford College
Technology Investment Fund
Progress Summary**

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| NAME OF PROJECT DIRECTOR | | DEPARTMENT/DIVISION |
| Mark Siedlik | | ELEC. TECH./ Industrial Technology |
| CURRENT DATE | SEMESTER GRANT AWARDED | PROGRESS REPORT STATUS [] Interim [x] Final |
| | Fall 2012 | |

PROJECT DESCRIPTION: *A brief summary of the project.*

Purchase 10 Siemens PLC/HMI trainers. Adopt the newest generation of Programmable Logic Controllers.

Why?

1. To maintain HFCC leadership in this area.
2. Because more and more job descriptions are asking for Technicians with programming skills with the newer processor.
3. Because as equipment is obsolete the new equipment that is adopted has the latest controls on it.
4. Because the current trend in Industry is to adopt the latest processor.
5. Adopting the Siemens S7 PLC with HMI would mean that HFCC is the only College/University in Michigan to do so. It would give HFCC a monopoly on advanced PLC training..
6. This would give us 10 Siemens trainers that come equipped with a PLC and Human Machine Interface (HMI).

There is a massive need for technicians and engineers with training on the latest plc and software.

ITEMS PURCHASED: *Please indicate how you spent the funds allocated to you. Where are items purchased currently being used? (Attach separate sheet if necessary.)*

10 Siemens PLC/HMI trainers. PLC stands for Programmable logic controllers, HMI stands for Human Machine Interface or touch screen.

OUTCOMES EXPECTED: *What were the outcomes/goals expected from the project as listed in your original proposal?*

Goal 2: Promote excellence in teaching and learning in order to meet individual and societal goals.

Goal 8: Provide academic programs and specialized training opportunities in order to contribute to the economic development of the region.

PROJECT EVALUATION: *Please summarize how the project was evaluated and the result of that evaluation. What evidence do you have that the outcomes/goals were or were not met? Please include data collected--questionnaire results, etc. Were there any benefits you may not have expected? Any liabilities? Please share any strength and weakness of the proposed project--your honesty will be of help to others.*

The original adjunct instructor was slated to teach the class in the fall of 2013. He had to decline the position since he started a new job as a Ford project engineer.

This fall of 2014 we offered two Siemens classes. The class filled to capacity plus we had 10 people on the wait list. Ford Motor wants their Electrical Apprentice's to enroll in the class. Currently we are enrolling Alumni that are Control Engineers and Electricians that wish to take the class. There is enough demand to offer at least one section of this class every semester.

Joe Skupin the Trade and Apprentice consultant visited two Ford facilities that send their apprentices here. The Ford joint apprenticeship council members stated that the Siemens class is fantastic and are amazed that the Instructor, Jim Blair, will help them with the material outside of the designated class room hours.