

# Project Status Letter

PSL Number 15-ALL-GG

Covering period from 4/30/16 to 5/6/16

Prepared by: ECE 492 Design Team

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## Tasks that have been completed in the previous week:

TSV - integrated pack delivered, all relevant ATP tests completed

GLV - all hardware complete (panels fully wired and mounted on the rack in AEC 401), TSI Isolator board validated, TSI HV section assembly completed

VSCADA - Lock systems developed, write log parser, graph takes J object

MCM - static characterization with simplified mathematical model report completed, efficiency/cooling report completed

## Tasks ongoing

GLV - software being debugged for GLV system, all ATP testing, TSI IMD panel being fabricated

VSCADA - ATP testing, safety manager front end coding, touchscreen drivers

TSV - state of charge algorithm report, ATR sections for all completed tests, QA memos

MCM - writing dynamic characterization report, Simulink model + results and conclusions

## Tasks due to be complete next week.

Team - All ATP integration tests complete, FDD Presentation

TSV - state of charge algorithm report, ATR sections for all completed tests, QA memos

GLV - software debugged for GLV system, all ATP tests completed, TSI IMD panel being fabricated

MCM - writing dynamic characterization report, Simulink model + results and conclusions

VSCADA - ATP testing, safety manager front end coding, touchscreen drivers

## **Overdue tasks**

VSCADA - software integration with dynamometer setup, safety manager software written, Touchscreen drivers implemented

TSV - state of charge report delivered

MCM - characterization data analysis, writing dynamic characterization report, writing efficiency/cooling report, Mathematical and Simulink models

GLV - fully debugged software for GLV systems, all ATP tests completed, TSI IMD panel being fabricated

## Cost Summary

<b>Budget Category</b>	<b>New This Period</b>	<b>Total Spent to Date</b>	<b>Budget Remaining</b>	<b>Total Budget</b>
TSV	\$26.54	\$859.30	-\$9.30	\$850
GLV	\$9.20	\$865.69	\$34.31	\$900
VSCADA	\$0	\$280.17	\$119.83	\$400
Cabling	\$48.36	\$462.31	-\$162.31	\$300
MCM (Motor Char. + Model)	\$86.88	\$86.88	\$163.12	\$250
Shipping	\$0	\$297.74	\$2.26	\$300
<b>Totals</b>	<b>\$170.98</b>	<b>\$2,844.41</b>	<b>\$155.59</b>	<b>\$3000</b>

## Receiving Reports

- Digi-Key (3 items) (Appendix I)
- McMaster-Carr (7 items) (Appendix II)
- WireCare (6 items) (Appendix III)
- Amazon (2 items) (Appendix IV)

## Purchase Requests

N/A

Appendix I:

<b>ECE Department Material Request</b>						
<b>Course:</b> ECE 492					<b>Req Number:</b>	<b>026</b>
<b>Professor:</b> Nadovich/Yu						
<b>Requested By:</b> Joseph Cericola					<b>Vendor:</b> Digi-Key	
<b>Requested Date:</b> 3-May-16					<b>Web Site</b> <a href="http://www.digik ey.com">www.digik ey.com</a>	
<b>Ship By:</b> Ground					<b>Phone</b> 1-800-344-4539	
#	Quantity	Vendor Part	Description	Unit Price	Total Price	Rcvd
1	4	1053-1378-ND	Orion Fans 60mm Steel Fan Guard	\$0.60	\$2.40	4-May-16
2	2	CWI499-ND	CW Panel Mount LED Amber 14V	\$3.30	\$6.60	4-May-16
3	10	F4191-ND	Littlefuse 1A Blade Fuse	\$0.26	\$2.60	4-May-16
4					\$0.00	
5					\$0.00	
6					\$0.00	
7					\$0.00	
8					\$0.00	

<b>9</b>					<b>\$0.00</b>	
<b>10</b>					<b>\$0.00</b>	
				<b>Shipping Fees</b>		
				<b>Grand Total:</b>	<b>\$11.60</b>	
		<b>Instructor Approval:</b>				
		<b>Department Approval:</b>				
		<b>(Over \$500)</b>				

Appendix II:

#	Quantity	Vendor Part	Description	Unit Price	Total Price	Rcvd
<b>ECE Department Material Request</b>						
<b>Course: ECE 492</b>			<b>Req Number : 025</b>			
<b>Professor: Nadovich/Yu</b>						
<b>Requested By: Joseph Cericola on behalf of Timothy Andrews</b>			<b>Vendor: McMaster-Carr</b>			
<b>Requested Date: 2-May-16</b>			<b>Web Site: <a href="http://www.mcmaster.com">www.mcmaster.com</a></b>			
<b>Ship By: Ground</b>			<b>Phone: (609) 259-8900</b>			
1	1	24795T41	Wrap-on Wire Markers, 1-33, pack of 330	\$13.16	\$13.16	3-May-16
2	1	92000A103	18-8 Stainless Steel Metric Pan Head Phillips Machine	\$3.40	\$3.40	3-May-16

			<b>e Screw, M2.5, 5mm (pack of 100)</b>			
<b>3</b>	<b>20</b>	<b>95947A015</b>	<b>Alumin um Female Thread ed Hex Stando ff, M2.5, 20mm</b>	<b>\$0.66</b>	<b>\$13.20</b>	<b>3-Ma y-16</b>
<b>4</b>	<b>4</b>	<b>91075A012</b>	<b>18-8 Stainle ss Steel Male-F emale Thread ed Hex Stando ff, 8-32, 3"</b>	<b>\$4.00</b>	<b>\$16.00</b>	<b>3-Ma y-16</b>
<b>5</b>	<b>1</b>	<b>8560K257</b>	<b>Clear Acrylic Sheet 12x24 (1/8 in thick)</b>	<b>\$15.76</b>	<b>\$15.76</b>	<b>3-Ma y-16</b>
<b>6</b>	<b>1</b>	<b>8710K144</b>	<b>High Tempe rature Garolit e (G-11) Sheet 12"x24 "x1/8" Opaqu e Green</b>	<b>\$86.88</b>	<b>\$86.88</b>	<b>3-Ma y-16</b>
<b>7</b>	<b>1</b>	<b>4974T77</b>	<b>USB 2.0 MaleA- MaleA</b>	<b>\$12.78</b>	<b>\$12.78</b>	<b>3-Ma y-16</b>





Appendix III:

#	Quantity	Vendor Part	Description	Unit Price	Total Price	Rcvd
<b>ECE Department Material Request</b>						
<b>Course: ECE 492</b>			<b>Req Number : 024</b>			
<b>Professor: Nadovich/Yu</b>						
<b>Requested By: Joseph Cericola on behalf of Timothy Andrews</b>			<b>Vendor: WireCare</b>			
<b>Requested Date: 27-Apr-16</b>			<b>Web Site: <a href="http://www.wirecare.com">www.wirecare.com</a></b>			
<b>Ship By: Ground</b>			<b>Phone: 973-300-9782</b>			
1	2	DT04-4P-L012	Deutch DT 4-Pin Receptacle, Gray Flange	\$7.970	\$15.94	3-May-16
2	2	DT04-12PA-L012	Deutch DT 12-Pin Receptacle, A Key Gray Flange	\$13.430	\$26.86	3-May-16



		<b>Department Approval:</b>				

Appendix IV:

#	Quantity	Vendor Part	Description	Unit Price	Total Price	Rcvd
<b>ECE Department Material Request</b>						
<b>Course: ECE 492</b>			<b>Req Number : 023</b>			
<b>Professor: Nadovich/Yu</b>						
<b>Requested By: Joseph Cericola on behalf of Timothy Andrews</b>			<b>Vendor: Amazon</b>			
<b>Requested Date: 25-Apr-16</b>			<b>Web Site <a href="http://www.amazon.com">www.amazon.com</a></b>			
<b>Ship By: Ground</b>			<b>Phone 1-734-414-0900</b>			
1	1	B0032JJS50	12" X 24" 6 Sheets of Matte Black Permanent Adhesive-Backed Vinyl	\$12.31	\$12.31	2-May-16
2	1	B00511QVVK	Inlet Male Power Socket with	\$6.00	\$6.00	2-May-16

