



APAC Sales Meeting

December 2022

VCP Trading International Corporation / Philippines

Vincent Jason Peñalosa

Project overview



Project	Power and Energy Meter Project	Start	September 2022
Customer	Sem Calaca Power Corporation (SCPC)	Value	1,647.98 EUR
Project Phase	Commissioned last September 2022		
Customer Goals	<ul style="list-style-type: none">To have a power and energy monitoring system with data logger		
Project Description	<ul style="list-style-type: none">The work done includes the configuration of Bender PEM353 settings, checking of wiring connection of current transformer (CT) and potential transformer (PT), visual inspection of the energy meter, communication of Bender PEM353 and com465IP, setting the device number of Bender PEM353 to com465IP.		

Final Product Pictures



Application (Picture)



At a glance



Customer problem

No energy meter with data logger for monitoring of their daily consumption

Solution

A complete solution of digital power and energy meter with graphical LC display and data logging

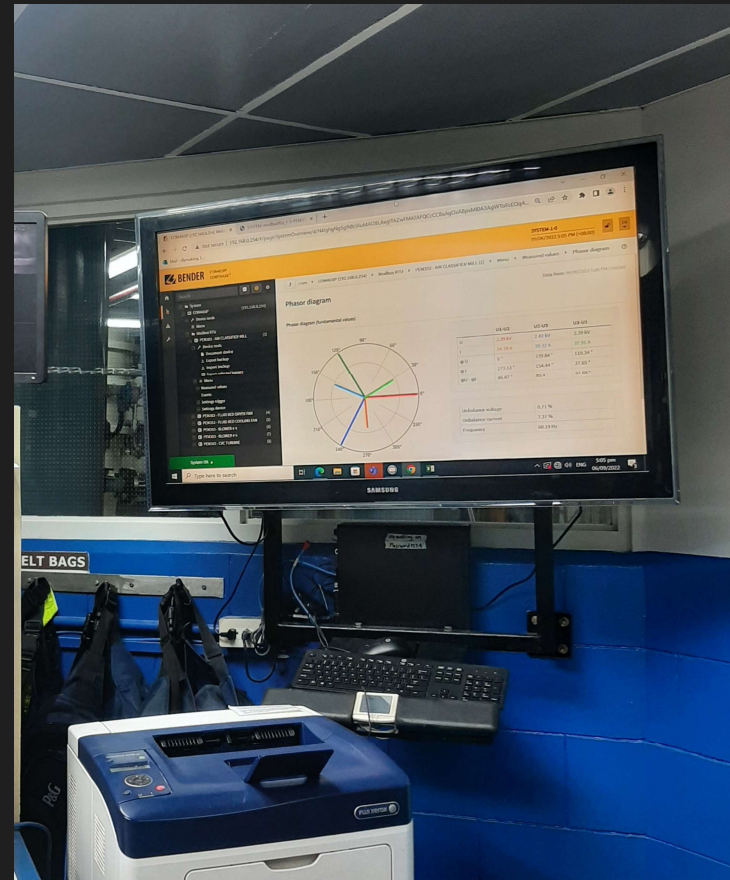
Benefit for the customer

- Better manage their energy use.
- Awareness of energy consumption.

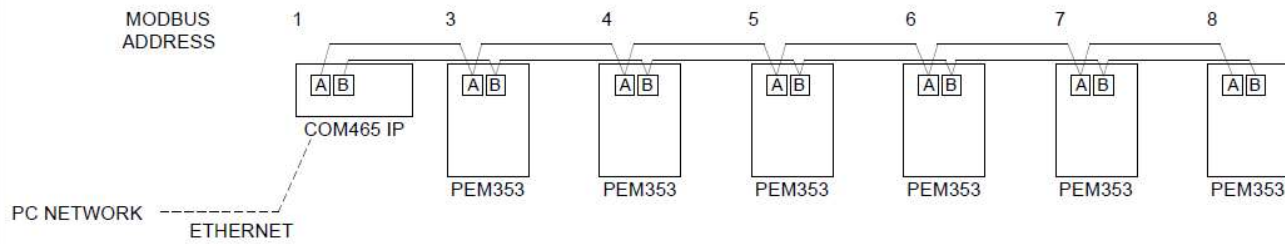
Project scope

1,647.98 EUR





POWER AND ENERGY MONITORING DEVICES COMMUNICATION DIAGRAM



<p>VCP TRADING INTERNATIONAL CORP. 30 West 40th Street, 17th Floor New York, NY 10018-3601 Tel: 212-850-0000</p>		FEDERAL SERVICE ENGINEER FEDERAL SERVICE ENGINEER NO. : DATE : TO : TEL. NO. :	OWNER:	APPROVAL:	DESIGN:	DATE:	SHEETS:	PROJECT TITLE:	SHEET NO.:
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POWER AND ENERGY MONITORING PROJECT

COMMUNICATION WIRING DIAGRAM

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1

Project overview



Project	On-line DC Fault Monitoring for 125V DC Distribution Common	Start	February 2021
Customer	First Gen Hydro Power Corporation Pantabangan Hydroelectric Plant (PHEP)	Value	9,896.39 EUR
Project Phase	Commissioned last February 2021		
Customer Goals	<ul style="list-style-type: none">To monitor the DC Fault condition of 125V DC Distribution Common System		
Project Description	<ul style="list-style-type: none">The work done includes the installation and termination of twelve (12) summation current transformers, installation of two (2) insulation monitoring devices, insulation fault locator and communication gateway, installation and layout of cable ducts, wiring of control wires and accessories, layout of communication cables and energization of the devices including setting of parameters and communication system, wired the alarm relay 1 to their SCADA system.		



At a glance



Customer problem

Old/Analog model of insulation fault monitoring device and no fault location.

Solution

A complete solution of digital insulation monitoring device with graphical LC display, fault locator and SCADA output.

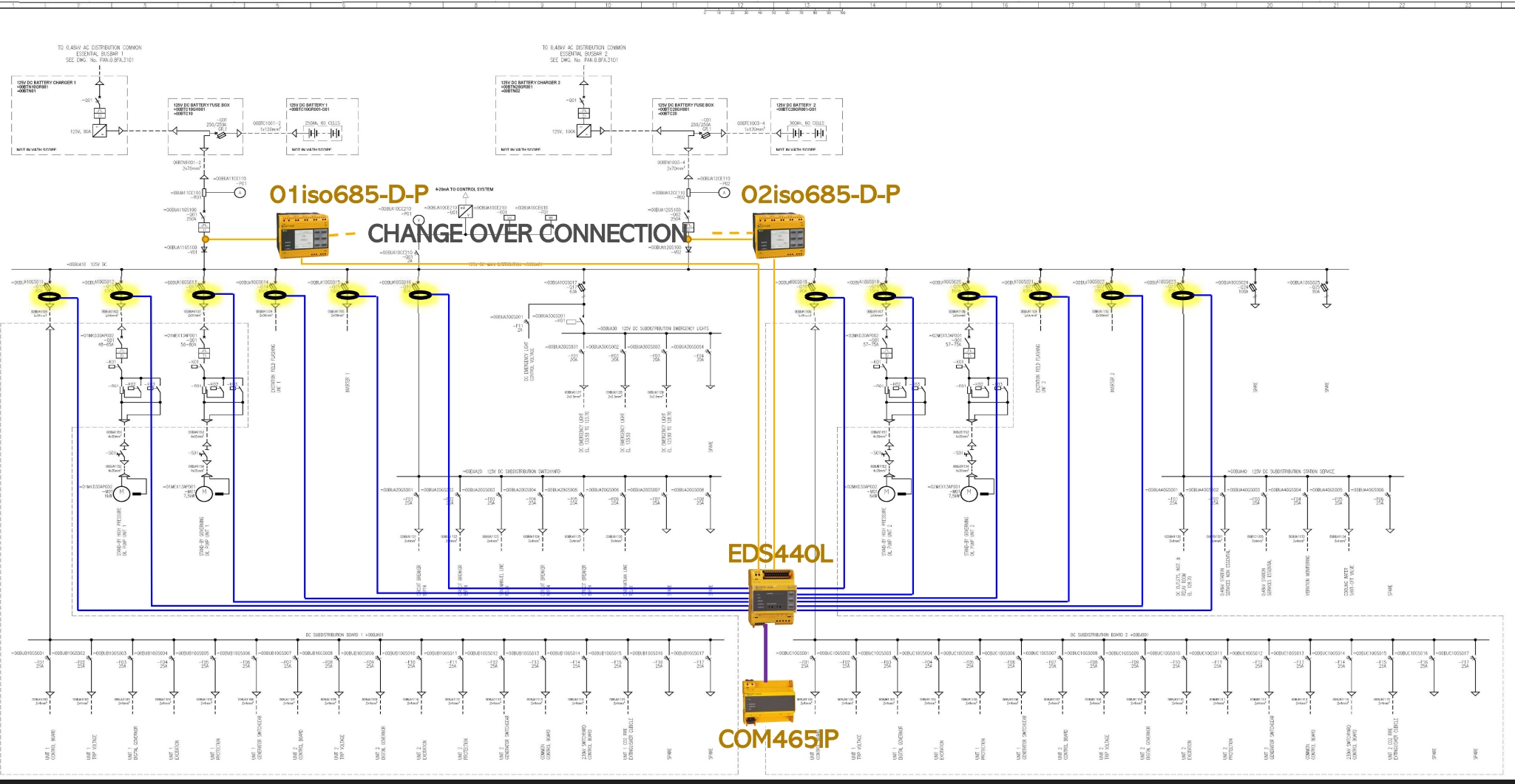
Benefit for the customer

- On-line/offline fault locator using EDS3096PG
- Fault locator for the twelve (12) subsystems
- Real time monitoring for insulation fault and SCADA alarm

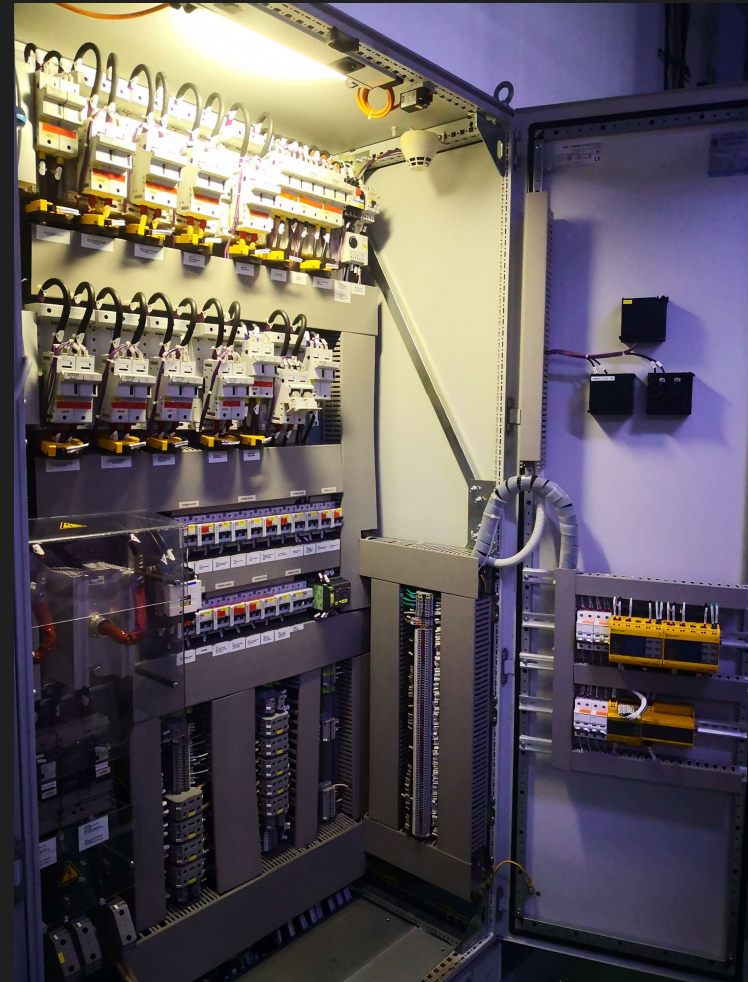
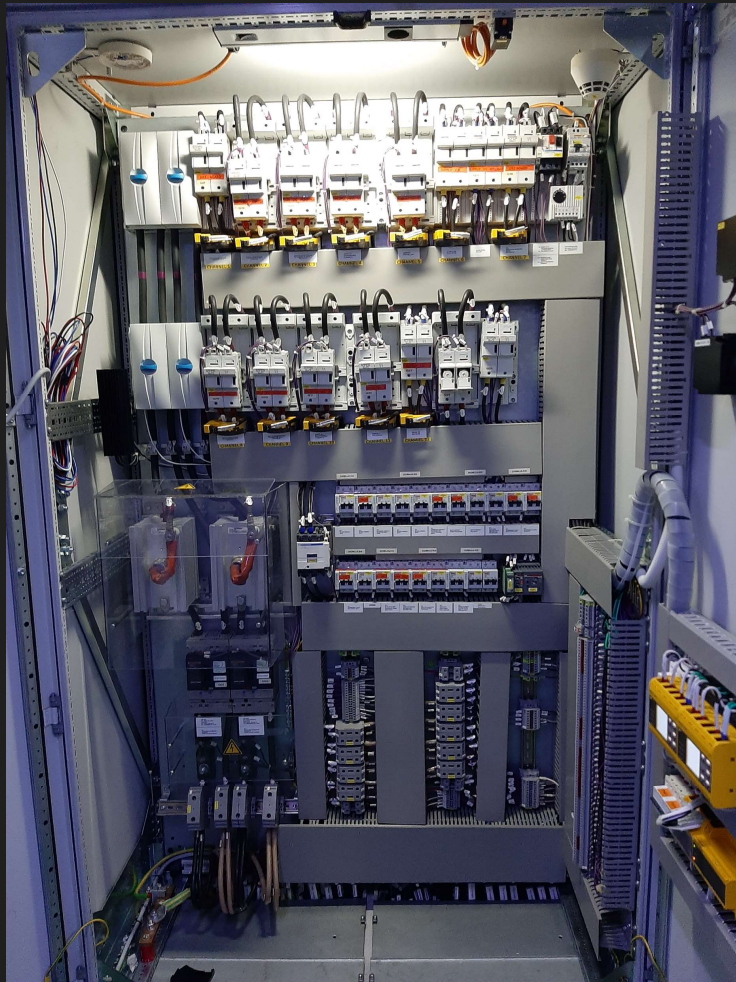
Project scope

9,896.39 EUR

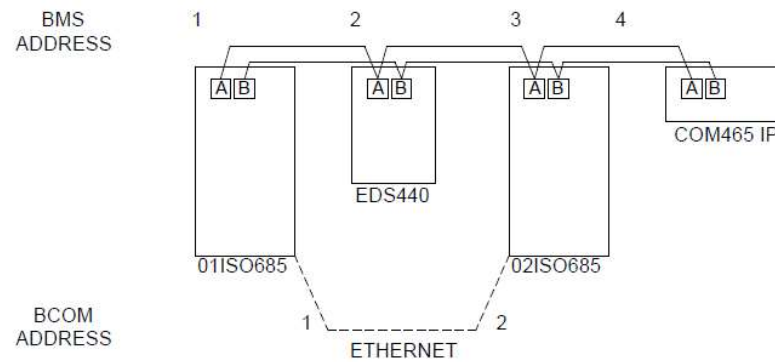








INSULATION MONITORING DEVICES COMMUNICATION DIAGRAM



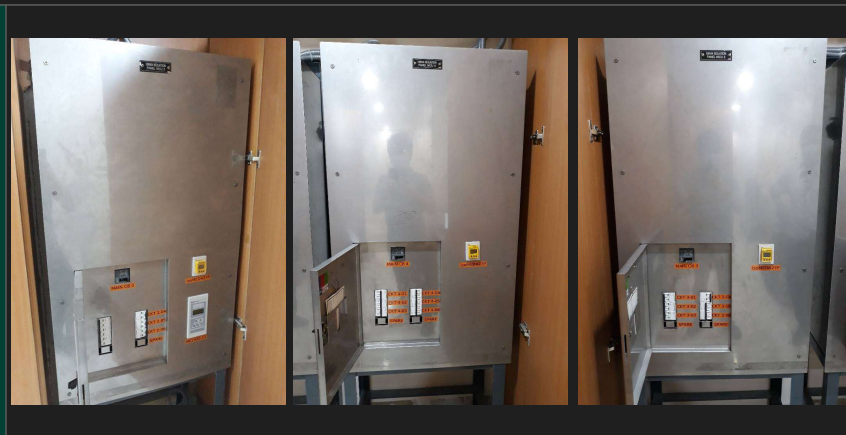
<p>VCP TRADING INTERNATIONAL CORP. 20000 15th Avenue, Suite 100, Golden, CO 80401 Tel: 303.440.8888</p>	<p>WESTCO</p>	<p>PROJECT: DC FAULT MONITORING</p>	<p>FIRST GEN HYDRO POWER CORPORATION PANTABASAGAS HYDROELECTRIC PLANT (SHEP)</p>	<p>APPROVAL</p>	<p>REVISIONS</p>	<p>DATE</p>	<p>REVISION</p>	<p>PROJECT TITLE</p>	<p>SHEET NO.</p>
		<p>REV. NO. 1</p> <p>DATE PLACE</p>		<p>PREPARED BY: RAJESH, BENDERS</p> <p>DATE COMPLETED:</p>	<p>CHECKED BY: A.C. GUNTO</p>	<p>ON-LINE DC FAULT MONITORING FOR 125V DC DISTRIBUTION COMMON</p>	<p>SHEET CONTENTS:</p> <p>COMMUNICATION WIRING DIAGRAM</p>	<p>E-4</p> <p>4</p>	

Project overview



Project	Isolation Panels for Renovation of NICU/IMCU	Start	November 2020
Customer	St. Lukes Medical Center	Value	6,596.46 EUR
Project Phase	Commissioned last December 2020		
Customer Goals	<ul style="list-style-type: none">• To ensure the safety of patients during operation/non-operation in NICU/IMCU• To have an insulation monitoring device and fault location		
Project Description	<ul style="list-style-type: none">• The work done includes the installation and termination of three (3) isolation panels with isolation transformer, online insulation monitoring device and current transformer, installation and layout of panel metal stand support, installation of communication gateway and remote alarm indicator, wiring of control wires and accessories, layout of communication cables and energization of the devices including setting of parameters and communication systems.		

Final Product Pictures



Application (Picture)



At a glance



Customer problem

For renovation of Neonatal Intensive Care Unit (NICU)

Solution

A complete solution of Isolation Panel (IP) with insulation monitoring device and fault locator

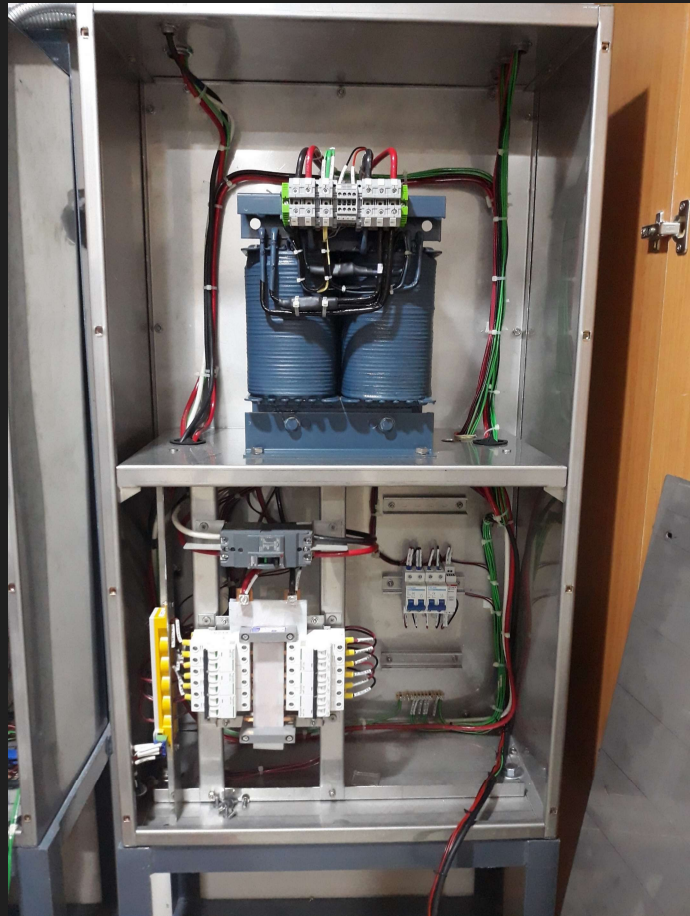
Benefit for the customer

- On-line insulation monitoring for isolation panel and fault locator on each branch circuit

Project scope

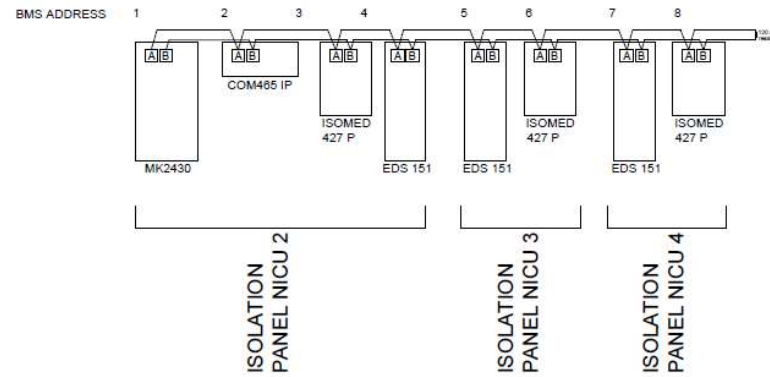
6,596.46 EUR







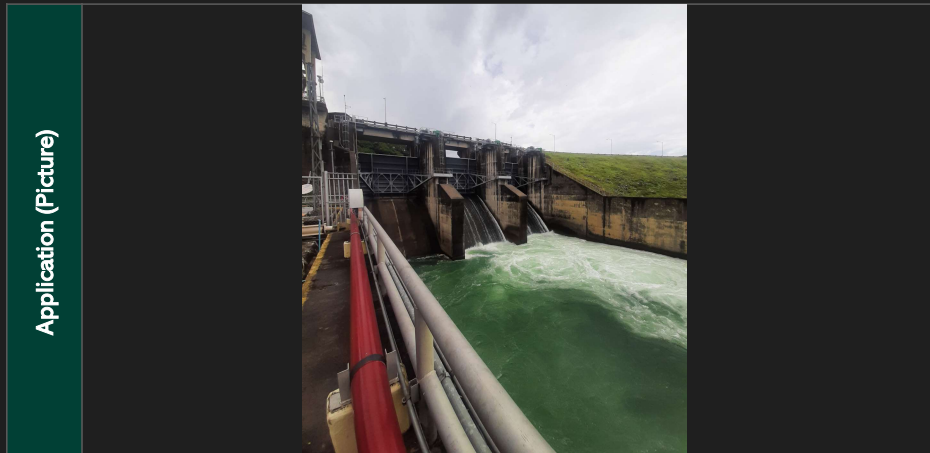
ISOLATION PANELS MONITORING SYSTEM COMMUNICATION DIAGRAM



Project overview



Project	125V DC Earth Fault Monitor Project	Start	November 2022
Customer	First Gen Hydro Power Corporation Masiway Hydroelectric Plant (MHEP)	Value	5,586.46 EUR
Project Phase	For installation, testing and commissioning on 2 nd week of November 2022		
Customer Goals	<ul style="list-style-type: none">To have an insulation monitoring device and fault location on 125V DC system		
Project Description	<ul style="list-style-type: none">The work includes the installation and termination of twenty-four (24) summation current transformers, installation of one (1) unit insulation monitoring panel with insulation monitoring device, insulation fault locators and communication gateway, installation and layout of cable ducts, wiring of control wires and accessories, layout of communication cables and wiring of alarm relay 1 to their SCADA system.		



At a glance



Customer problem

No insulation monitoring device and fault locator.

Solution

A complete solution of digital insulation monitoring device with graphical LC display, fault locator and SCADA output.

Benefit for the customer

- Real time monitoring for insulation fault and SCADA alarm
- Locate whenever ground fault occurs

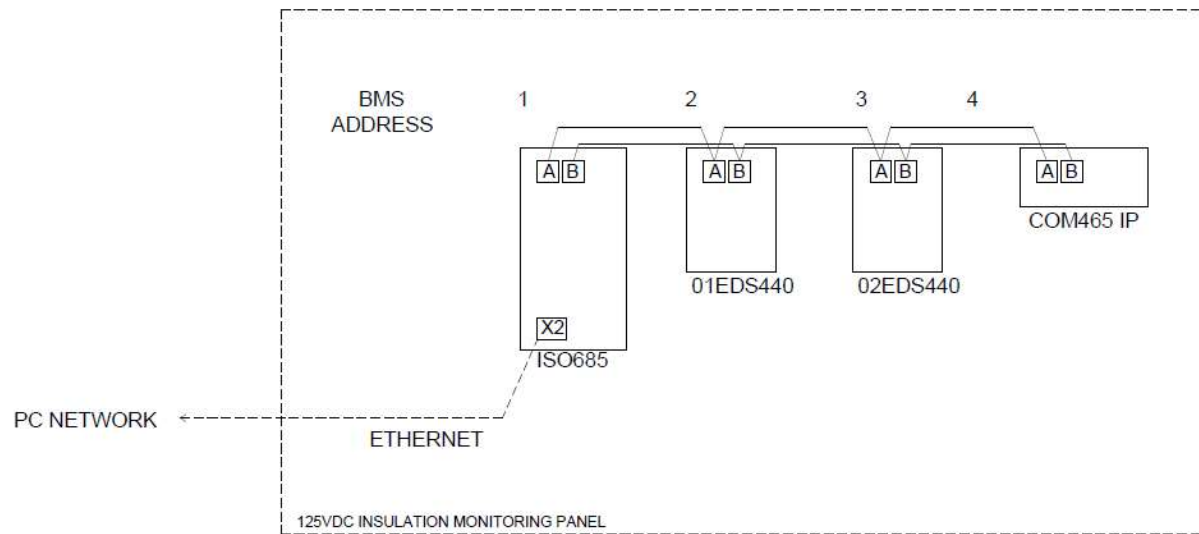
Project scope

5,586.46 EUR





INSULATION MONITORING DEVICES COMMUNICATION DIAGRAM



<p>VCP TRADING INTERNATIONAL CORP. 881 Plaza, 28th Floor, VCP Building 80 Rockefeller Avenue, New York, NY 10020 Tel: (212) 512-2000</p>		<p>PREPARED BY:</p>	<p>FIRST GEN HYDRO POWER CORPORATION MADAGAWY HYDROELECTRIC PLANT (MHEP)</p>	<p>APPROVAL:</p>	<p>REVISION:</p>	<p>DATE:</p>	<p>REVIEW:</p>	<p>PROJECT TITLE:</p>	<p>SHEET NO.:</p>
		<p>DATE:</p>		<p>DATE COMPLETED:</p>	<p>PREPARED BY: M.J.P. BISHOP</p>	<p>REVISION BY: A.C. CASTRO</p>	<p>DATE:</p>	<p>DATE:</p>	<p>PROJECT TITLE: MHEP ON-LINE 125VDC EARTH FAULT MONITOR PROJECT</p>

Thank you and stay safe!