



MARINE ELECTROTECHNOLOGY

DEVE SYSTEMS, AUTOMATION, ALARM AND MONITORING, ELECTRICITY AND HIGH POWER CONTROL

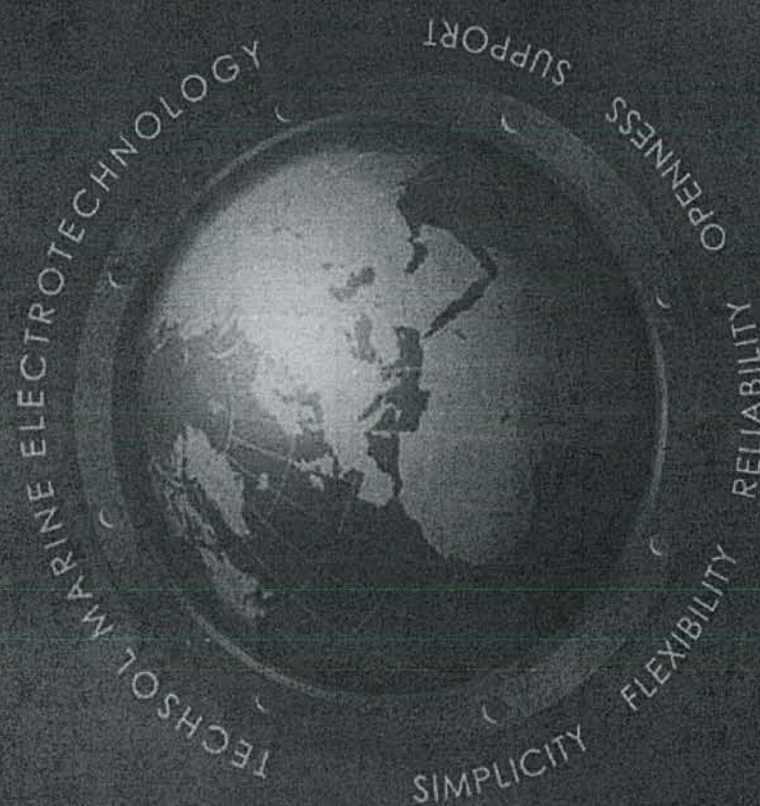
www.techsolmarine.com

770A, St-Joseph East, Quebec (Quebec) G1K 3C3 Phone : (418) 888-2230 Fax : (418) 888-2233

Client: Mériidien Maritime
Work Location: Matane

Included Commissioning Time: Refer to proposal
Client Purchase Orders: 09-1113-111@3

Techsol's IFDS Commissioning Report



0- Revisions Listing

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DRIVE SYSTEMS, AUTOMATION, ALARM AND MONITORING, ELECTRICITY AND HIGH POWER CONTROL

770 A. St-Joseph East, Quebec (Quebec) G1K 3C3

Phone : (418) 688-2230 Fax : (418) 688-2233

IFDS-Commissioning Report

Client Name: Méridien Maritime

1a- System Summary (25m vessel)

[illegible]

Project number: P10-0501@03-FD

IFDS-Commissioning Report

Client Name: Méridien Maritime

Top-system summary (L2m vessel)

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Estimated Hrs required: 0

Project number: P10-0501@03-FD

| 3- Initial Inspection | | | | | | |
|-------------------------------|---------|-----------------------------|-----------|---|-------------|-----------|
| Estimated Hrs required : 4.75 | | People Needed / Responsible | Equipment | Task | Description | Completed |
| ETC (Hrs) | | | | | | |
| 0.25 | Techsol | Misc | 3.00 | Take a picture of all items that are in the scope of work (refer to System configuration layout in drawings section). | OK | |
| 0.25 | Techsol | Misc | 3.01 | Make sure no equipment has been damaged, if so make sure there is a picture and advise shipyard. | OK | |
| | | | | | | |
| 0.25 | Techsol | Comm Cables | 3.02 | Make sure all Ethernet connectors are made properly, i.e. jacket in the connector by about 3/16" with shield landed. | OK | |
| 0.25 | Techsol | Comm Cables | 3.03 | Make sure all Ethernet cables are shielded with the shield welded onto the metal connector except for short cables (<6'). | OK | |
| 0.25 | Techsol | Comm Cables | 3.04 | Make sure communication cables (VGA, Ethernet, Genius Bus, etc...) are not lined up with power cables. | OK | |
| | | | | | | |
| 0.25 | Techsol | Power | 3.05 | Make sure power is routed to items in scope of work (refer to System configuration Overview in drawings section) and has right polarity everywhere. | OK | |
| 0.25 | Techsol | Power | 3.06 | Make sure all fuses and breakers are open before applying power for the first time. | OK | |
| | | | | | | |
| 0.75 | Techsol | Cables (general) | 3.07 | Make sure all cables are there and wired properly. | OK | |
| 0.75 | Techsol | Cables (general) | 3.08 | Make sure all cables are properly identified at both end. | OK | |
| 0.75 | Techsol | Isolator | 3.09 | Make sure all isolators are located in their assigned zone of protection. | OK | |
| 0.75 | Techsol | Panels | 3.10 | Make sure Panels are properly grounded. | OK | |
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| Activity | Estimated Hrs required : | 0.5 |
|---|--------------------------|-----|
| 1. Review of the project and the objectives | | |
| 2. Design of the project | | |
| 3. Implementation of the project | | |
| 4. Evaluation of the project | | |
| 5. Reporting of the project | | |
| 6. Presentation of the project | | |
| 7. Conclusion of the project | | |
| 8. Final report | | |
| 9. Final presentation | | |
| 10. Final evaluation | | |
| 11. Final report | | |
| 12. Final presentation | | |
| 13. Final evaluation | | |
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| 100. Final evaluation | | |

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IFDS-Commissioning Report

Client Name: Méridien Maritime

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9- Signatures & Comments

| Signatures | Comments or Defect Items |
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| <div> <div>Samuel Lucere</div> <div>Techsol's Representative</div> </div> | <div> <div>- test note à faire avec PABX système lorsqu'il sera fonctionnel. Done</div> <div>- Voir listes de points individuels donnés à BV pour détails des tests d'approbation</div> </div> |
| <div> <div></div> <div>Customer's Representative</div> </div> | |
| <div> <div>2012/03/30</div> <div>Date of completion, Location</div> </div> | |