

EXPERT'S PROFILE

Name of Grantee : **ENGR. LEO M. ALMAZAN**
Area of Expertise : Aerospace Engineering and Space Technology

Inclusive Date of Contract as BSP Awardee : Short-Term Program
17 September - 27 October 2018
12 November – 16 December 2018
03 – 16 January 2019

Host Institution : Philippine Navy
University of the Philippines –EEEI



EDUCATIONAL BACKGROUND

- **Naval War College**, Newport RI
- **Staff Warfare College Information Operations Course**, National Defense University, Joint Norfolk VA
- **USAF Information Warfare Planning Capability Course**, San Antonio TX
- **MS Engineering Management**, West Coast University, San Diego, CA
- **MS Electronics Engineering program** San Diego State University, San Diego, CA
- **BS Electronics Engineering**, San Diego State University, San Diego, CA

PROFESSIONAL EXPERIENCE

- 2016-2017 **Projects and Technical Advisor**
United Defense Manufacturing Corp., Parañaque City
- 2015-2016 **Technical Consultant**
Philippine Navy
- 2004-2014 **Project Manager/Project Engineer**
SPAWARSYSCEN San Diego
- 2003-2004 **Lead Engineer**
SPAWARSYSCEN San Diego
- 2000-2003 **Senior Project Engineer**
SPAWARSYFAC Yokosuka, Japan
- 1997-2000 **SPAWAR Y2K Test Team Leader**
SPAWAR Systems Center San Diego
- 1993-1997 **Senior Electronics Engineer**
SPAWAR Systems Center San Diego
- 1990-1993 **Communication Systems Engineer**
SPAWAR Systems Center San Diego
- 1986-1990 **Design Engineer and Project Officer**
SPAWAR Systems Center San Diego

TO BE ACCOMPLISHED AS A BSP AWARDEE

Philippine Navy

1. Philippine Navy Tactical Datalink Concept Development
2. Design Reviews
3. Ultra High Frequency Demonstration unit assembly and test
4. Live Demonstration of track display, message exchange, and weather report
5. Post Test
6. Tactical Datalink Phase II Development Proposal
7. Presentation to Air Force of the Philippines

Holy Angel University

8. AMSAT Communication System Development HF/VHF/UHF Radio Equipment Procurement
9. AMSAT Ground-station Integration and Test
10. Engineer drawings of the following
 - a) AMSAT Proceeding Paper Development
 - b) Antennas/Rotator System Development
11. Amateur Radio International Space Station (ARISS) Activity (involve high school students)
12. Ground Station Power Distribution System
13. AMSAT/ARISS Ground-station Integration & Test
14. Continue with WXSAT Development

UP EEI

15. AMSAT Ground Station
16. PC Server Software Installation and Test
17. Develop CubeSat Curriculum & Topic Development
18. AMSAT Proceedings Paper
19. Present Paper to AMSAT Symposium
20. FM Transponder/APRS Test and Operation
21. Amateur Radio International Space Station Activity (involve high school students)
22. Collaboration with Holy Angel University, Angeles City Pampanga
23. Transportable AMSAT/WXSAT Ground station development
24. AMSAT/ARISS Ground-station Operation
25. Operational Testing of Birds-2 Test