

Engr. Richard Q. Cayabyab

richard.cayabyab12@gmail.com ■ (0917) 167-9879 ■ Mandaluyong City, Metro Manila, Philippines

WORK EXPERIENCE

One Renewable Energy Enterprise, Inc.

Sales Engineer

April 2018 – Present

Ortigas Center, Pasig City

- Assessing the capability of groundwater resources [i.e shallow tube wells (STW), open dugwell (lined and earthen) and artesian wells] and open water sources [i.e creeks, rivers and lakes] for installation of Solar Powered Irrigation Systems (SPIS), which includes, but not limited to:
 - Identifying the water source history;
 - Conducting water sustainability test, if needed; and
 - Determining if the water is sandy, which can potentially damage the system.
- Evaluating the suitability in establishing Solar Powered Irrigation Systems (SPIS) for Rice and Corn production systems based on the capacity of open water sources identified by the Department of Agriculture's Regional Field Offices (DA-RFO) for their:
 - Procurement activities through site inspections;
 - Awarded projects and contracts for the company; and
 - During consultancy for Public-Private and NGO partnership projects handled by the company.
- Performing site inspection activities for preparing a design for a Level 2 Solar Powered Barangay Potable Water System which includes, but not limited to:
 - Interviewing the main beneficiaries of the project;
 - Evaluating the capability of the water source to sustain per capita water requirement; and
 - Establishing the main pipe line, distribution line and common tap stand location thru GPS assisted mapping (Google Earth and Handheld GPS);
- Managing the implementation of our projects by creating timelines for procurement, logistics, and construction activities. Consecutively, handling more than ten (10) teams of skilled individuals to accomplish 180 sites of Solar Water Pump project, which is installed all over the Philippines.
- Leading the expansion efforts of the company to integrate solar power into different farm applications such as Solar Powered Hydroponics and Aquaponics System, and Solar Powered Fertigation System.
- Designing Solar Powered Water Pumping system using **Grundfos Product Center** to size up solar water pump models such as SQF, CRIF, SP and CR pumps with control units or inverters such as CU200 and RSI.
- Preparation of Bill of Materials for Solar Powered Water Pumping Systems intended for irrigation and potable water systems, which includes solar array design, electrical and water distribution systems and civil works such as foundations for ground mounted solar panels.
- Handling the after-sales service complaints and reports for Solar Powered Water Pumping Systems projects installed by the company.

Kubota Philippines, Inc.

Product Engineer

October 2016 – April 2018

Baesa, Quezon City

- As part of the marketing team, attending and leading product exhibitions, on the field product demonstrations, company-initiated product launching activities, and dealers national conference.
- Performing market research on the company's competitors, by studying government testing reports, and price research.
- Assessing farms and areas for its suitability for on the field product demonstrations for the company's product line up such as 4WD tractors and implements (front dozer, disc plow and harrow, rotavator, grabber, etc.), mechanical rice transplanter, automatic mechanical seedling preparation for rice transplanter, combine harvester for rice and corn and diesel engines.

Engr. Richard Q. Cayabyab

richard.cayabyab12@gmail.com ■ (0917) 167-9879 ■ Mandaluyong City, Metro Manila, Philippines

EDUCATION

Central Luzon State University

July 2016

Bachelor of Science in Agricultural Engineering

Science City of Muñoz, Nueva Ecija

- Undergraduate Thesis: Ergonomic Evaluation of the Philippine Hand Tractor (2016)

TRAININGS AND LICENSES

▪ Trainings

- Good Agricultural Practices (GAP) for Vegetable Production;
- Aquaponics 101;
- Flight 101: Remotely Piloted Aircraft Systems Pilot Training – Drone Training; and
- Construction Occupational Safety and Health (COSH) Training.

▪ Licenses:

- Registered Professional Agricultural and Biosystems Engineer – PRC; and
- Non-professional Driver's License – LTO.

SKILLS AND INTERESTS

- **Skills:** Engineering design; CAD (AutoCAD; Sketch Up); operation and maintenance of solar power system; operation of combine harvesters, tractor, automatic seeder; drone operation; client handling and management; public speaking; conducting and preparation of trainings; event management; manpower organization and handling; project accounting; government procurement activities knowledge and experience; preparation of bidding documents; basic website management; blogging; and video editing.
- **Interests:** Meeting new people; reading; listening to music; sustainable agriculture; watching documentaries.