

SEPTEMBER - NOVEMBER 2020



From left: LGH officer, Marianna, Aminah and LGH staff, Valerio.

AMINAH FAIZAH KAHARUDDIN

*Erasmus Mundus Joint
Master's Degree in Water and
COastal Management
(WACOMA) cohort 2019-21.*

SUMMARY

I have successfully completed my internship from 7th September to 27th November 2020 with a total of 359.5 hours as a required module worth 8 ECTS in the final semester of WACOMA.

Among some of the services provided by Lighthouse include **geophysical, geotechnical and environmental surveys, construction and positioning supports, subsea services and data processing and interpretation.**

I spent most my time at the **Department of Data Processing and Interpretation** under the supervision of **Stefano Sandroni**, who is the Data Interpretation and Final Reports Production Manager.

Soft skills such as **report writing using MS Word, data organization, naming convention, best practices and cautions while handling a large amount of data, quality control and assurance** are some of the examples that I have gained from this experience.

Transferrable skills namely **analytical ability, logical thinking, research, problem solving and time management** are amongst the outcomes that I have managed to practice and experience over the time spent during the internship.

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As the first female Bruneian SCUBA Instructor, I perceive myself as a rather ambitious 26 years old, with over 6 years of experience working in the ocean environment in Southeast Asia particularly in the coral reef rehabilitation and marine conservation. I acquired a BSc in Oceanography from the University of Southampton, UK in 2017 and presently, I am an Erasmus Mundus scholar for the EMJMD WACOMA cohort 2019-2021. I plan to pursue a PhD at the University of Bremen, Germany in 2021.

The Erasmus Mundus Joint Master's Degree (EMJMD) in Water and COastal Management (WACOMA) integrates both the multidisciplinary and interdisciplinary subjects by linking natural sciences and addressing societal challenges. WACOMA is hosted by the University of Bologna in Italy, the University of Algarve in Portugal, the University of Cadiz in Spain and a dedicated consortium consisting of several European and non-European academic institutions, public bodies and ministries, as well as private companies such as Lighthouse S.p.A. (LGH). It was the WACOMA Coordinator and academic tutor from the University of Bologna, Professor Elena Fabbri, whom encouraged me to perform an internship with LGH. This was also the perfect avenue for me to have my first European work experience.

Indeed, LGH has contributed significantly to my professional and personal development. This internship expands the horizon of my career options, on top of which I have gained several soft and transferrable skills useful for my future endeavours.

I got a taste of a real working environment in a European company, learning about the offshore geophysical, geotechnical and environmental surveys, processing data and interpretation, to even learning the Italian language and culture. One of the most valuable parts of my internship is receiving an intensive training on the processing software such as CARIS, SONARWIZ, SURFER and AutoCAD.

Honestly, I did not set any expectation coming into LGH as this is an unprecedented internship experience during a pandemic. If anything, LGH has transcended my initial perceptions as I learned more about its scale of operations and projects, across the globe.

This internship is in tandem with WACOMA's course objective, which is to nurture managers and scientists to be proficient when dealing with the water and coastal environments in relation to the Blue Economy. I strongly recommend any interested students to apply for an internship with LGH.

Thank you LGH for this valuable opportunity!