

CURRICULUM VITAE

ADITYA RACHMAN ANANDA *Electrical Engineer/Project Manager*

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PROFILE

I am an engineer with more than two years of professional experience in projects especially in railway infrastructure project. I have intensively developed skills in managing and reporting, coordinating internal and external parties, planning and reviewing study and design phase, and assisting on administrative needs of a project. My network includes government institutions, project owners, and international contractors and consultants.

EDUCATION

September 2014-December 2015:

MSc in Engineering Project Management
University of Manchester, United Kingdom

(Pass, GPA Equivalent: 3.03/4.00) Reference: An engineering-focused route way of project management postgraduate programme. Relevant courses include Management of Project, Innovation Management, People and Organisation, and Contract Management.

- Worked toward a methodical and innovative research in industry for dissertation. The research was in collaboration with UK-based manufacturing company and focused on open innovation and communication practice of an organisation.
- Utilised qualitative method analysis with first-hand company data to achieve research goals including the analysis of the use of communication in business.

August 2010-July 2014:

Bachelor in Electrical Engineering (ABET Accredited)
Institut Teknologi Bandung, Indonesia

CGPA of 3.34 out of 4.00, equivalent of Upper Second-class honours (2:1).

Relevant courses include Electronics, Signal Processing, Robotics, and Control Systems.

- Worked for a final project which developed for medical purposes as a final project. Combined the functions of software and hardware to transform traditional methods of orthodontic diagnosis to a more efficient and effective way. Relevant aspects for this project were control engineering, electronics, language programming, database management, and engineering consultancies.
- Developed team work, organizational, and problem-solving skills especially through conducted projects as well as engineering project experience.

PUBLICATIONS

- 2014, Electrical Engineering Project: Laser and Turn Table Control System in a Three-Dimensional Scanning System.

- 2015, Master's Degree Dissertation: The Relation Of Communication Practice And Open Innovation Performance: A Case Study.

OTHER SKILLS

Language

Indonesian: Native speaker

English: Fluent.

German: Beginner

Technical/IT

Microsoft Office, Microsoft Project, Adobe Photoshop, Sketch Up, Blender, WinAvr, Altera Quartus, Matlab, Microsoft Visual Studio (C# Language Programming), MySQL databases, Arduino Boards, HTML5, CSS.

TRAINING AND CERTIFICATIONS

December 2018: Vissim and Viswalk Transport Simulation

PTV Group, Indonesia

- Certificate of Completion for a course on Vissim and Viswalk software for analysis and simulation regarding traffic management and pedestrian management.

April 2018: MRT Project, Tender, and Contract Management

Land Transport Authority Academy, Singapore

- Certificate of Achievement for a course on MRT Project, Tender, and Contract Management. The course is about building contracts, improving tendering process, and project and cost control of a metro system such as Singapore MRT.

March 2018: Gas Insulated Switchgear Maintenance

PLN, Indonesia

- Certificate of Successful Completion for finishing classes on maintenance manual for Gas Insulated Switchgear relating to power distribution system in substations.

March 2018: Legal Drafting

Lembaga Administrasi Negara

- Classes attended on legal drafting, writing and analysing public policy, regulation publication, and revising case studies on public policy.

December 2017: Protection for Power Distribution System

Patrarijaya Consultancy, Indonesia

- Certificate of Successful Completion for finishing courses on power distribution system, high-voltage electrical system and its protection measurements.

June 2017: Energy Efficiency for Electrical System

Building and Construction Authority Academy, Singapore

- Certificate of Successful Completion for learning about efficient power distribution, addressing the power quality issues, building load management techniques, uninterruptible power system and renewable energy generation system.

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April 2017: Greenship Associate Level Green Building Council Indonesia

- Certificate of Achievement (passed) for understanding and recognising the importance of implementing green building and sustainability in construction projects through principles of green building.

WORK EXPERIENCES

BUILDING FACILITY ENGINEER

January 2018 - Current :

PT MRT Jakarta, Indonesia

PT MRT Jakarta is the operator and the owner of MRT Jakarta. It is the first metro system in the city and in Indonesia. Currently, the first phase is being constructed and due in early 2019. The project is funded by JICA Loan and is handled by Indonesian and multinational consultants and contractors. The second phase is also being planned and studied.

- Positioned as Building Facility Engineer under the Civil Engineering Department.
- Main responsibilities include planning, structuring and reviewing standardized requirements for mechanical, electrical, and plumbing works that will be incorporated in the contract documents of future MRT Projects.
- Other works include coordinating with contractors and consultants to maintain consistency and find solutions regarding design issue of ongoing construction of mechanical and electrical works including testing and commissioning.
- Assigned to assist on other working group of the project such as land acquisition and become team coordinator for project permit acquisition.
- Learned extensive experience and skills in mechanical and electrical engineering on design level, knowledge sharing, government relation, strategic planning, and team coordination.

PROJECT ENGINEER FOR MECHANICAL AND ELECTRICAL

October 2016 – January 2018 :

PT MRT Jakarta, Indonesia

- Positioned as Project Engineer for mechanical and electrical under the department of Station and Building Facility. Responsibility area in two under-construction underground stations.
- Main works include keeping the construction progress for mechanical and electrical works on track, maintaining conformity of the construction with the design, and delivering the best quality and functionality for the construction.
- As a representative of the owner, I coordinate frequently with consultants and contractors who are from various countries with different specialties.
- Learned in-depth understanding for practical project management skills as well as technical skills for Mechanical, Electrical, and Plumbing works.

ELECTRICAL ENGINEER

Early August 2016 – October 2016 :

PT Arkonin, Jakarta, Indonesia

PT Arkonin is one of the biggest building construction consultancy in Indonesia. The services include structural, architectural and mechanical-electrical works. The company has been involved in a wide range of project including residential, office towers, retail and public areas, and infrastructure such as airports, highways, and metro system. The projects handled are either private-owned or government-owned.

- Positioned as Electrical Engineer who designed electrical system in construction projects.
- Worked extensively with architects, civil engineers, and mechanical engineers as a team to deliver the highest quality of project designs and documents.
- Was assigned to projects such as retail, public areas and parks, transportation facilities including Jakarta Mass Rapid Transit project as a part of the design team.
- Learned about technical skills as well as teamwork, communication and time management skills especially in a construction consultancy environment.

SUMMER INTERN

Summer 2013:

PT GMF AeroAsia, Cengkareng, Indonesia

The biggest aircraft maintenance company in Indonesia and a subsidiary of Indonesia's *national flagship carrier*. GMF AeroAsia specialises in aircraft maintenance repair and overhaul. The company has international certifications as well as customers from all over the world.

- Internship at Electrical Aviation Component (Workshop II), a part of compulsory undergraduate industrial work experience.
- Worked at a maintenance centre for electronic components of aircrafts, where disassembled components underwent maintenance on regular or non-regular basis.
- Developed an understanding about aircraft components maintenance, procedures, client-focused work environment and conforming to international certification about the quality and standards.
- Working in aircraft maintenance facility has improved my managerial skill as well as technical capabilities to solve issues concerning safety in flights according to regulations.

LIST OF REFERENCES

Mr. Paul Chan (Master's Degree Dissertation Supervisor), email: paul.chan@manchester.ac.uk
Ms. Aciek Ida Wuryandari (Bachelor's Degree Final Project Supervisor), email: aciekidaw@yahoo.com
Mr. Panji Bismantoko (MRT Jakarta Section Head), email: panji.arum@jakartamrt.co.id