

# SOFWAN HAYI-ARONG

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## CAREER OBJECTIVE

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- To work as a Mechanical Engineer with my experience and knowledge focusing on Design, Installation, Testing & Commissioning and Project management. Using my ability to work as a good team for achieving the same goal.

## ENGINEERING LICENSE

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- Associate Engineer (Mechanical Engineer), The Council of Engineers Thailand (COET) ภาควิศวกรเครื่องกล (ภก.46776)

## WORK EXPERIENCE

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- KJTN Engineering Co., Ltd, Bangkok Thailand. Jan 2022 – Present

Project Engineer,

- Project execution retrofit of chiller plant project
- Report and update project progress to project leader and project director
- Monitoring subcontractor mechanical and electrical installation works, chiller plant
- Test run and commissioning of chiller, Reviewing project drawings and project documents
- operation and maintenance of chiller plant, assigning job tasks for operation and maintenance team
- Site surveying for energy audit of chiller plant

Project: Retrofit of the Chiller Plant at Crystal Design Centre (CDC), Bangkok, Thailand

Water Cooled Chiller Capacity: 1300 TR

- Dürr (Thailand) Company Limited, Bangkok, Thailand. Feb 2021 – Dec 2021

Junior Mechanical Process Design Engineer,

- Supporting technical and commercial modification project in painting shop and spray booth
- Process purchase requisition and projects in SAP System.
- Preparation arrangement drawings of process plant equipment

Project: Ford Thailand Manufacturing (27 Mar 21 - 12 Apr 21)

Project: Xpeng New Paintshop, Wuhan, China.

- Power Line Engineering Public Company Limited, Bangkok, Thailand. Oct 2020 – Jan 2021

BIM Mechanical Engineer,

- Create drawings, prepare documentations for project submission of Plumbing and Drainage Systems.

Project: The Mass Rapid Transit Authority of Thailand (MRTA)

Orange Line (East Section) Contract E2: Ramkhamheang 12 Station

- Italthai Engineering Co.,Ltd., Bangkok, Thailand. June 2020 – Sept 2020

HVAC Site Mechanical Engineer,

- Monitoring Air-conditioning and Ventilation Systems of the Hospital Building.
- Installation, Inspection, Testing and Balancing.
- Cooperate with Project Engineer depend on Project Schedule, Support to Foreman, and Control Subcontractors during on-site installation works.
- Coordinate with Safety Team, Civil, Architectural, Electrical, Sanitary and Fire protection works.

- HVAC Materials take off, Cost Estimate and Control payment for subcontractors.
- Drafting for Air-conditioning and Ventilation Systems Equipment.

Project: Chulabhorn Hospital. (Bhattara Maha Raja Memorial Medical Centre)

Water Cooled Chiller Capacity: 5500 TR

- Apprenticeship, Taikisha (Thailand) Co., Ltd., Bangkok, Thailand. June – October 2019 (5 months)
  - Assistant Mechanical (Sanitary) Engineer. (Sanitary equipment installation)
  - Airborn Engineering Co.,Ltd., Suan Luang, Bangkok, Thailand. June – July 2017
  - Assistant Mechanical (HVAC Clean Room) Engineer (Drafting, Estimating, Site Validation for HVAC system)
- Project: Jong Tai Jean Ming Eiew Eeea (Group)Co., Ltd. Pharmaceutical Factory.

## **EDUCATION**

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- 2016 – 2019. King Mongkut's University of Technology North Bangkok. (KMUTNB)  
Bachelor of Engineering; Refrigeration and Air Conditioning Engineering Technology, **G.P.A 2.76**

## **COMPUTER SKILL**

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- AutoCAD, Revit MEP, MicroStation, Solidworks, Navisworks, Excel, Outlook, Microsoft Office, SAP.

## **HVAC TECHNICAL SKILL**

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- Welding, Flaring, Leak Testing, Electrical Wiring HVACR Report for Refrigeration and Air-Conditioning System.
- Calculation, Installation, Testing and Commissioning, Operation and Maintenance, Energy Audit for Chiller plant.

## **ACTIVITIES**

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- 10 Dec 2020 “Fundamentals of Water System Design” Online Webinar course, ASHRAE Rajasthan, India.
- 9 Jan 2021 “Testing Adjusting and Balancing (TAB) HVAC” Online Webinar course, ASHRAE Malaysia.
- 21-22 Aug 2021 “Air-Conditioning, Pumping and Piping System”, Online Webinar course,  
The Engineering Institute of Thailand.
- 26 Feb - 2 Apr 2022 “Air-Conditioning Training (Fundamental Course: Level I)”, Online and Work Shop course,  
Air-Conditioning Engineering Association of Thailand (ACAT) (ASHRAE Thailand Chapter).

## **ENGINEERING ASSOCIATE MEMBERSHIP**

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- June 2021 Ordinary Member of Air-Conditioning Engineering Association of Thailand (ACAT).
- Sept 2021 Ordinary Member of Thailand American Society of Heating, Refrigeration and Air-conditioning Engineers. (ASHRAE Thailand Chapter).

## **LANGUAGES**

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- Thai – Native Fluency
- Malay – Intermediate Level
- English – Intermediate Level; TOEIC: 625
- Arabic – Intermediate Level
- German – Beginner Level; GOTHE-ZERTIFIKAT A1 START DEUTSCH 1