



# MÖRK

## WATER

CAPABILITY OVERVIEW





# OUR PURPOSE



Our purpose is to deliver **SAFE, clean**  
and **sustainable water** solutions for  
the people **who need it most.**



# OUR COMPANY



Moerk Water Solutions **designs and constructs** sustainable & energy-efficient water treatment systems at our factory in Western Australia. Our team carry out **consultancy, training** and **service** packages across Australia, Asia Pacific and East Africa.



Our **collaborative approach** to providing innovative and sustainable water treatment solutions is tailored to each client's specific needs.



**Not all water supply challenges are the same.** We are a research-intensive organization, networking with experts around the world to keep up with current innovative solutions.



**Our core values & people first approach.** We hold integrity, reliability and competence at the core of everything we do. We act responsibly, we deal fairly, we understand people and always consider the broader context for each customer.



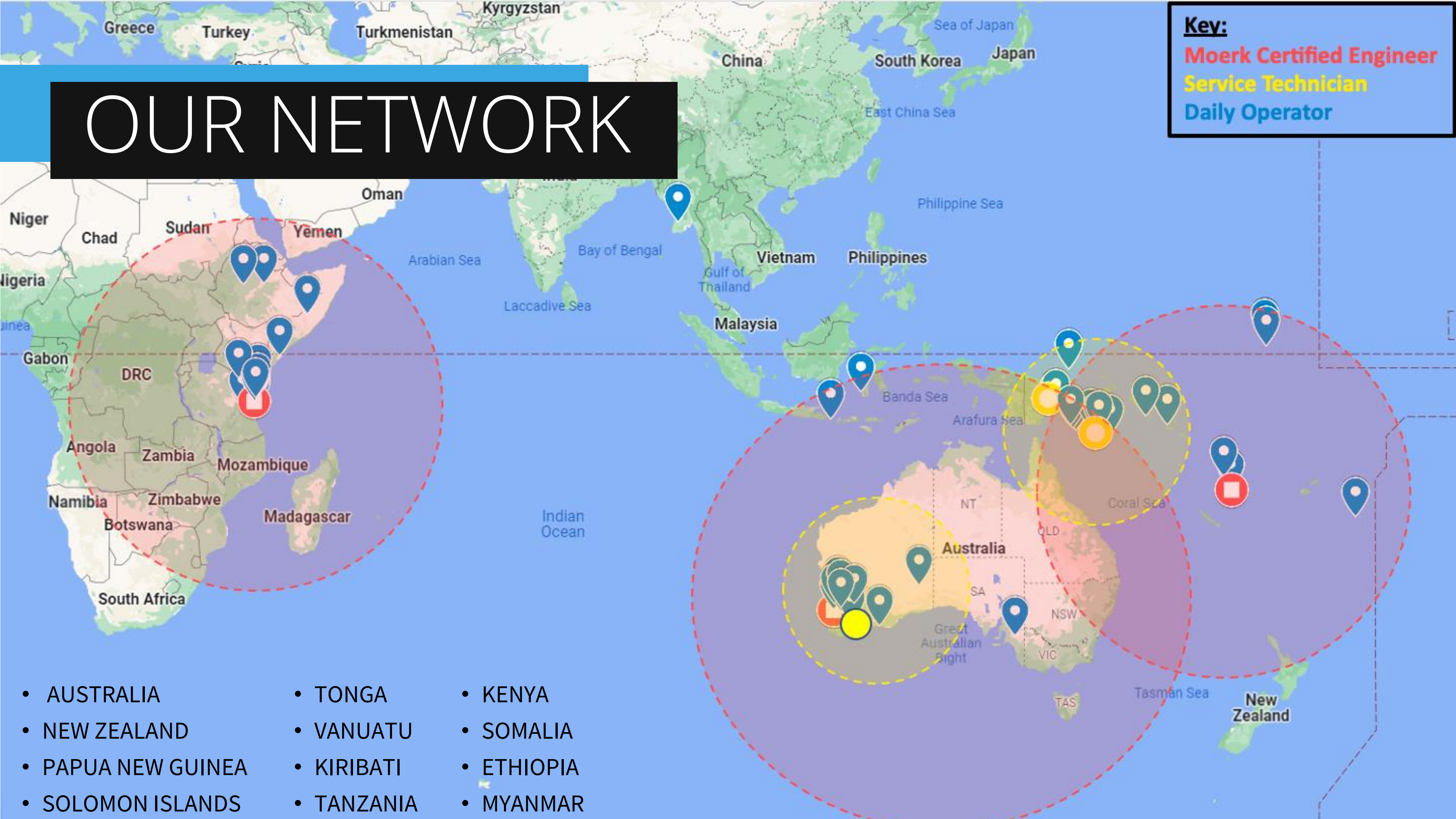
# OUR NETWORK

**Key:**

**Moerk Certified Engineer**

**Service Technician**

**Daily Operator**



- AUSTRALIA
- NEW ZEALAND
- PAPUA NEW GUINEA
- SOLOMON ISLANDS
- TONGA
- VANUATU
- KIRIBATI
- TANZANIA
- KENYA
- SOMALIA
- ETHIOPIA
- MYANMAR



# INDUSTRY SEGMENTS



FARMING &  
HORTICULTURE



INDIGENOUS  
AUSTRALIAN  
COMMUNITIES



TOURISM,  
RESORTS &  
HOSPITALITY



INDUSTRIAL  
& MINING



FOOD & BEVERAGE  
PROCESSING



HEALTHCARE  
CSSD RO/AS4187



EDUCATIONAL  
INSTITUTIONS



DISASTER RELIEF



REMOTE  
COMMUNITIES



LOCAL  
GOVERNMENT &  
MUNICIPAL





# WHAT WE OFFER

- 1 Water Sampling - NATA Accredited
- 2 Local Design, Build & Supply
- 3 Pre-Treatment Systems
- 4 Process / Reverse Osmosis Systems
- 5 Post-Treatment Systems
- 6 Range of Specialist Chemicals
- 7 Sustainable Solar Powered Packages
- 8 Service Maintenance Capabilities
- 9 Risk Management Plans via Partner

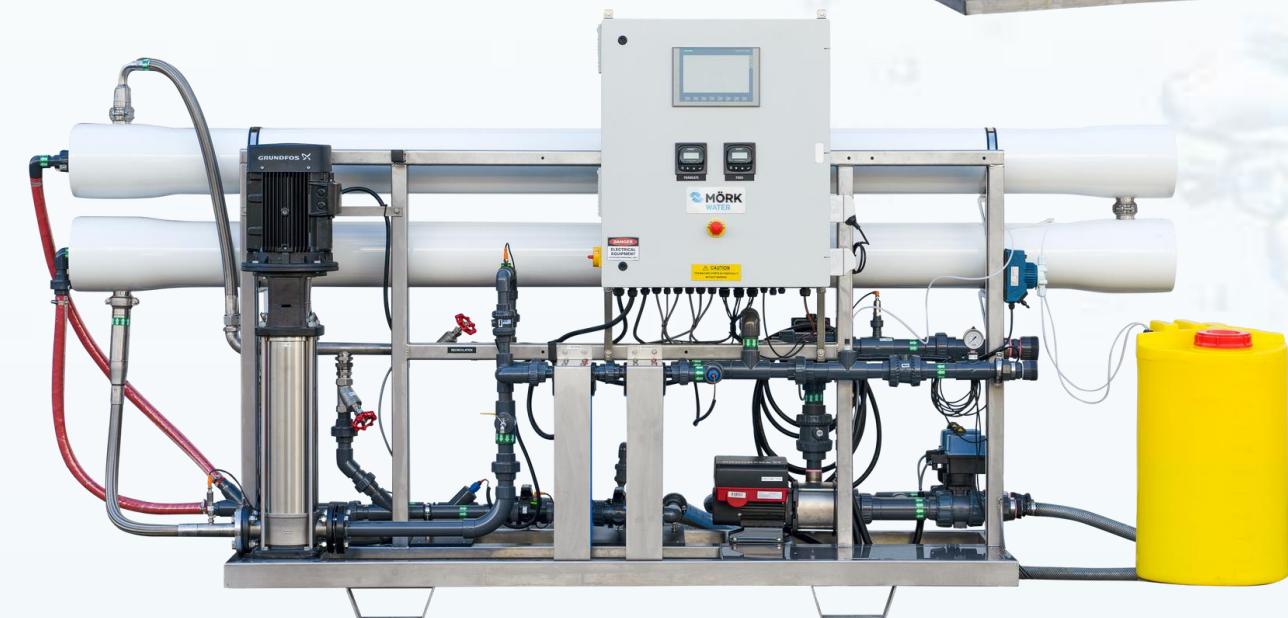






# WORLD CLASS ENGINEERING

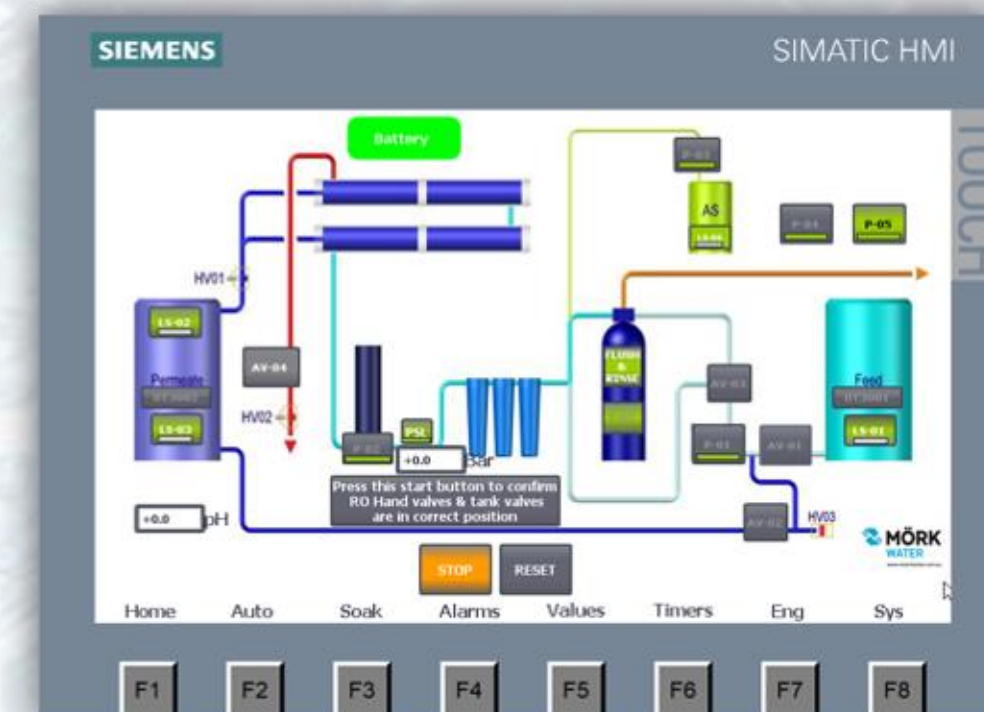
- ▶ The design philosophy of Moerk Water, est. 2010, is based on more than **120 years of engineering excellence** through the German construction company, [Mörk](#), established in 1902. The founder and current director of Moerk Water was the director of Mörk for over 40 years and this link helps ensure the high quality of our products and solutions.
- ▶ Wide range of **custom technology solutions**
  - ▶ Nanofiltration
  - ▶ Brackish Water Treatment
  - ▶ Seawater Desalination
  - ▶ UV Sterilisation
  - ▶ CSSD Sterilisation / AS4187
  - ▶ pH Correction
  - ▶ Iron Removal Systems
  - ▶ Carbon Absorption Systems
  - ▶ Ion Exchange
  - ▶ Chlorine Disinfection
- ▶ Our systems are **designed & manufactured locally in Perth**, Western Australia.



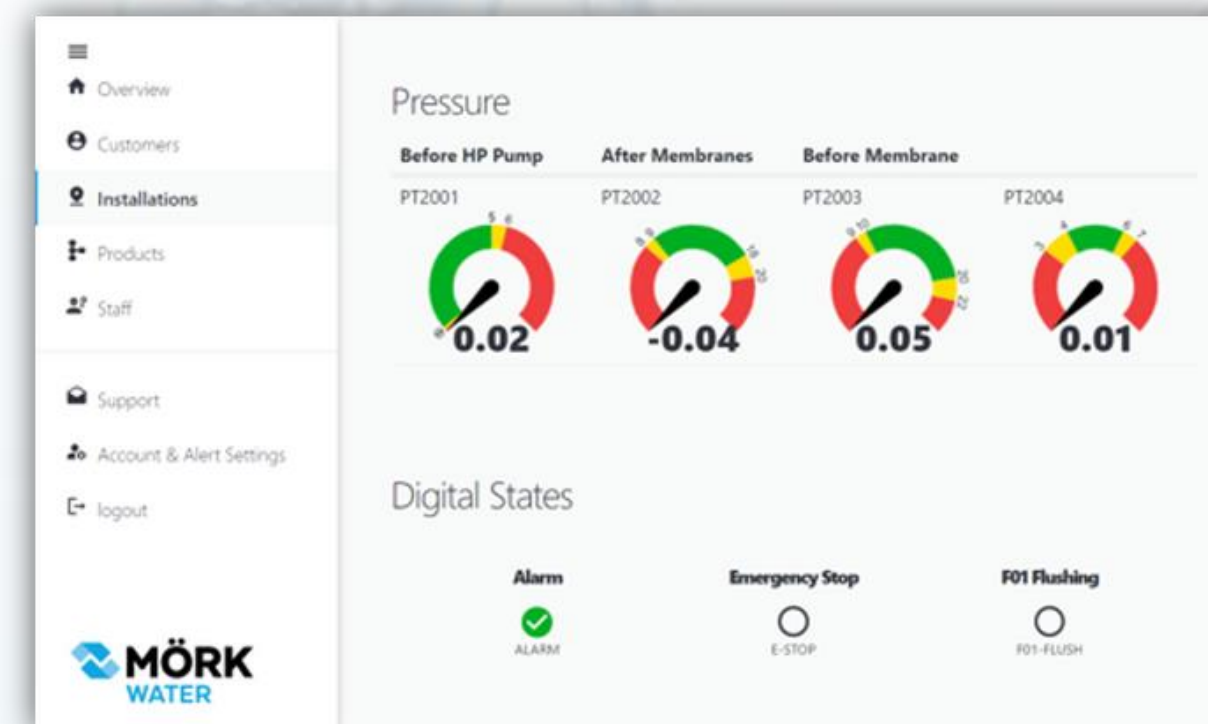


# REMOTE MONITORING AND CONTROL

- ▶ Monitoring and Remote System Control Capabilities
  - Immediate alert of potential issues
  - System upset alerts via SMS and email
  - Monitoring serves as a preventive measure
  - Immediate action can be taken to save downtime
  - Immediate support by Moerk Water and local partners
  - Commissioning capabilities remotely



- ▶ Benefits
  - Ensure continuous water availability for communities/facility
  - Increased water security and decreased health risks due to early detection of unit issues
  - Easy commissioning of units in remote areas
  - Problems solved remotely, minimising callouts
  - No additional training needed
  - Reduced ongoing maintenance







# RENEWABLE ENERGY

- Full solar power and wind energy systems for remote locations with no grid access
- Custom hybrid systems available to reduce energy costs > 90%
- System backup options - lithium battery bank to ensure constant power during cloudy events
- Options for single or 3-phase inverter assembled on smart panel
- The performance of the solar system can be monitored remotely
- Parameters measured remotely are:
  - Power consumption & cumulative energy use
  - Battery monitoring
  - PV or turbine yield





# TRAINING



- Training courses are **tailored to the customer and application.**
- Moerk provides training support **during the commissioning** phase of our projects and offers **Refresher Courses** to deepen operator knowledge.
- Our training programs are developed in collaboration between our engineers and training professionals.
- Moerk Water hosts various trainings courses **either at our head office in Perth, onsite or via online platforms.**
- All relevant stakeholders, daily operators and local technicians are all welcome to attend.



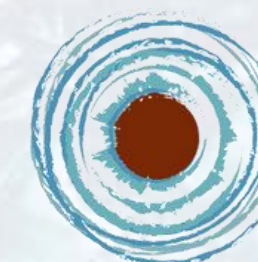




# AFFILIATIONS



Member  
Chamber of Commerce  
and Industry WA



NOONGAR  
Chamber of Commerce and Industry



AUSTRALIAN<sup>AWA</sup>  
WATER  
—  
ASSOCIATION



Australia's International Development Contractors Community

THE  
AUSTRALIAN  
WATER  
PARTNERSHIP



Deutsch-Australische  
Industrie- und Handelskammer  
German-Australian Chamber  
of Industry and Commerce

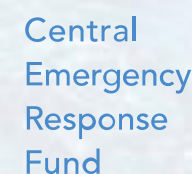




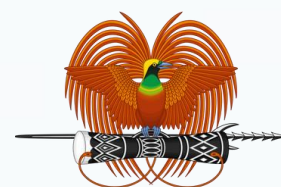


# Partners

## Donors, Foundations & International Organizations



## Partnerships



Government of  
Papua New Guinea



*M.I.S.E.*  
*Republic of Kiribati*



YWAM Solomon Islands



Australia-Papua New Guinea



United Church PNG  
WaSH Program



## CSR & Environmental Social Governance (ESG)



## Academic and Vocational Education Partners





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