

TONGA ISLAND

Health & Safety snapshot and Case Studies .

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Case studies: Tonga

- Nukualofa Port Upgrade Project



NUKU'ALOFA PORT UPGRADE PROJECT
SAFER, MORE RELIABLE, AND MORE AFFORDABLE
(TRANSPORT PROJECT DEVELOPMENT FACILITY)

PROJECT BACKGROUND

- Tonga population is around 108,000 people
- 2nd most affected country by natural disaster
- QSIW handles 85% of cargo

OUTCOME

- Capacity and Operations of Nukualofa Port Improved
- Container throughput capacity increased
- Maximum length of vessels calling at the port

OUTPUTS

- PORT INFRASTRUCTURE REHABILITATED**
 - Four cargo docks refurbished
 - New seawall built
 - Container yard upgraded
 - Port access road upgraded
 - Port services improved
- INTERNATIONAL CARGO DOCKS AND SUPPORTING INFRASTRUCTURE EXTENDED**
 - Wharf 2 extended by 8.5 m
 - Four additional dolphins constructed
 - Two New Channel navigation markers
- PORT OPERATIONS AND MANAGEMENT IMPROVED**
 - Port operations and management improved
 - Asset maintenance plan developed and Port staff trained accordingly
 - COVID-19 response plan to mitigate the transmission risk of communicable diseases
 - Women trained in business skills to manage their own micro-businesses

GOVERNMENT OF TONGA: Ministry of Finance and Ministry of Infrastructure and Port Authority Tonga
PROJECT AMOUNT: US \$ 6.3 million
FUNDING AGENCY: Asian Development Bank
CONSULTANT: Royal HaskoningDHV
CONTRACTOR: McConnell Dowell

Labels in infographic: FOUR SALUTE INTERNATIONAL WHARF - NUKU'ALOFA PORT, WHARF No. 1, WHARF No. 2, SUBSTATION, ACCESS ROAD, CLIMATE RESILIENCE, DOLPHERN, WHARF 1 REPAIRS.

- Fanga'uta Bridge Project



Case study 1: Nuku'alofa Port Upgrade Project

- The Nuku'alofa Port Upgrade Project is an ADB supported project to rehabilitate and streamline operations at the Queen Salote Wharf in Nuku'alofa, Tonga.
- The Queen Salote Wharf (referred to here as Nukualofa Port) is the only international wharf receiving international cargo at the main island of Tongatapu



Nukualofa Port Upgrade Project

Issues:

- Safety audit was conducted by SPC and identified serious health and safety hazards, related to the poor condition of the container yard.
- Limited capital resources
- Limitation in size of vessels able to call in as international cargo terminal was only 110m long
- Deteriorated infrastructure due to lack of maintenance and investment



Nuku'alofa Port Upgrade Project

Outcome:

- Capacity and Operations of Nuku'alofa Port improved
- Container throughput capacity increase.
- Maximize the length of vessels calling into the port
- Provide safer, more reliable and more affordable transport infrastructure and services in Tonga



Country specific H&S Challenges – TONGA ISLAND

» Challenges:

- ❑ Awareness and Mindset- hosting of site wide toolbox talk and training sessions to raise high and low risks topics
- ❑ Staff turnover- conduct trainings over and over again
- ❑ Limitation in space- congestion



Case study 2: Fanga'uta Bridge Project

- **Issue:**

- Traffic congestion
- Limited emergency escape route during disasters

- » **Outcome**

- Provide reduced traffic congestion and shorter journey for people living and/or travelling to the southern parts of Tongatapu
- Provide an evacuation route to people in vulnerable areas in the event of a tsunami and extreme weather condition



MALO 'AUPITO