



**Presented at the FIG Working Week 2023,
28 May - 1 June 2023 in Orlando, Florida, USA**

FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

Protecting
Our World,
Conquering
New Frontiers

LAND SURVEY METHODOLOGY RESEARCH PROJECT 'FIT for PURPOSE' FOR BRUNEI DARUSSALAM

MR ABDUL KHALIQ BUJANG, BRUNEI
DARUSSALAM

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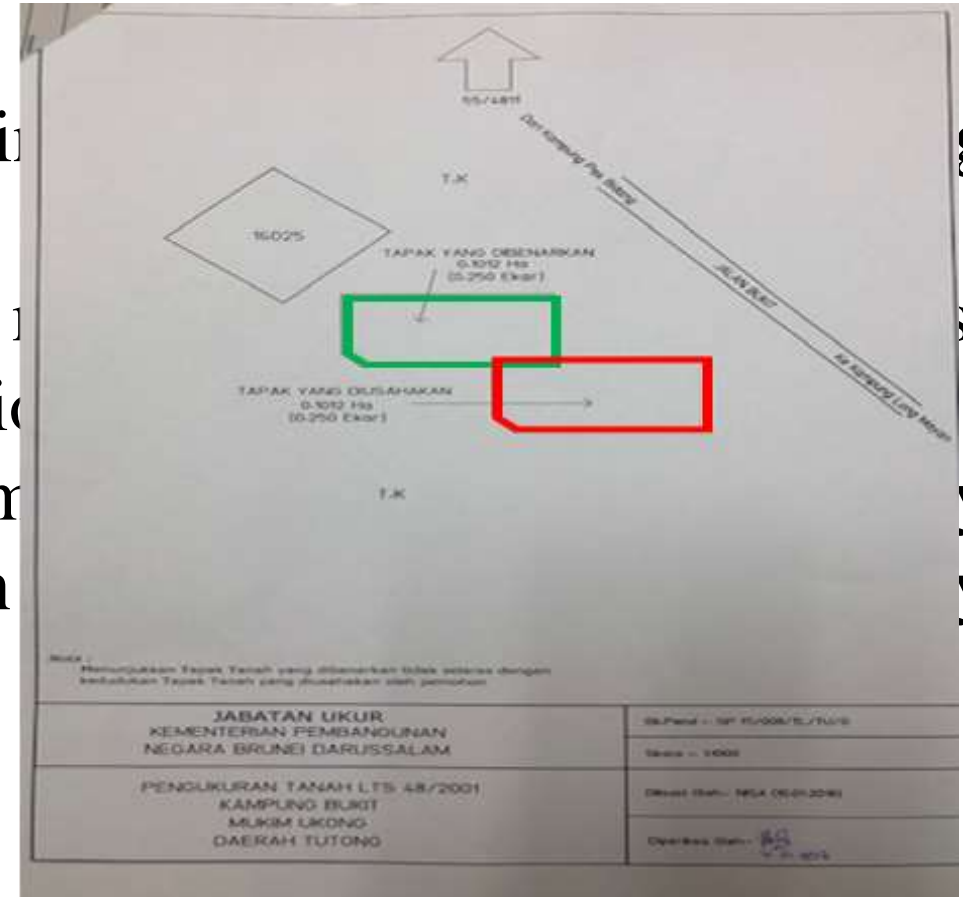
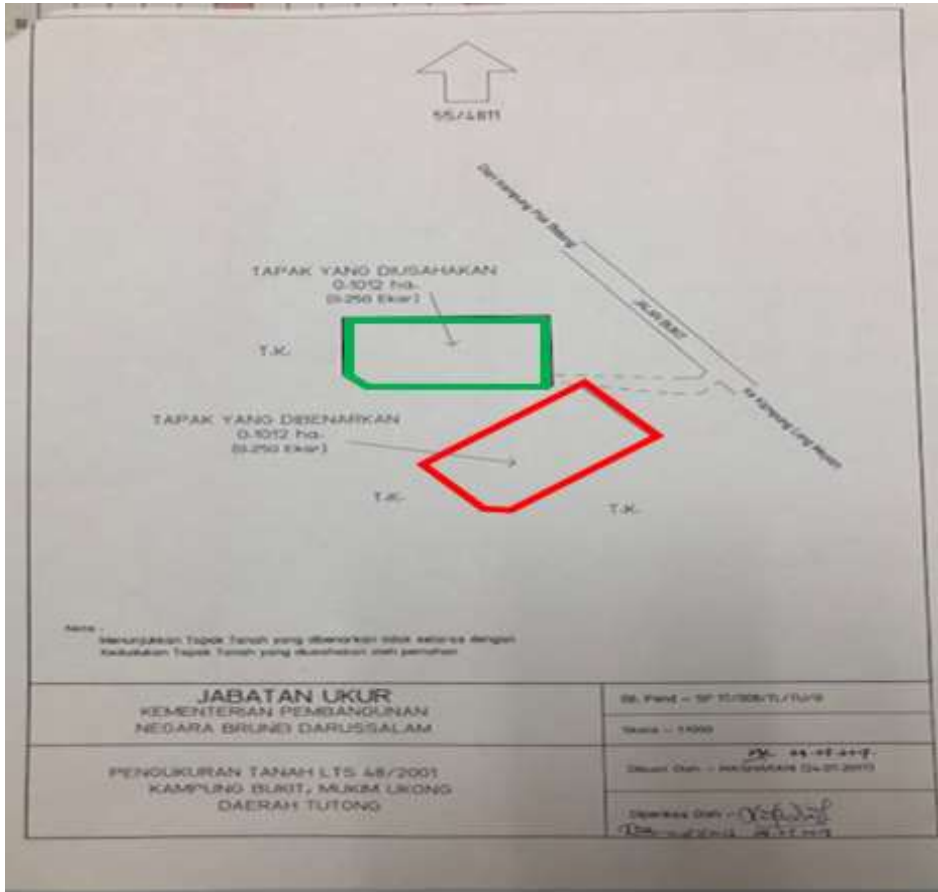


EXECUTIVE SUMMARY

- The project is based on the 2020 report for a new paper (FERP) which is approved by the Federal Surveyors (FIG) Commission 7.2 of Cadastre and Land Management, Fflorencypina (FEP) in August 2019, with the project South Korea.
- To implement a few Pflipse for this project, used several latest technology and considered system
- To split the experience of a specialized team in the World Bank (Ease of Doing Business) people especially and the practical progress in its works and public cost effective

PROBLEM

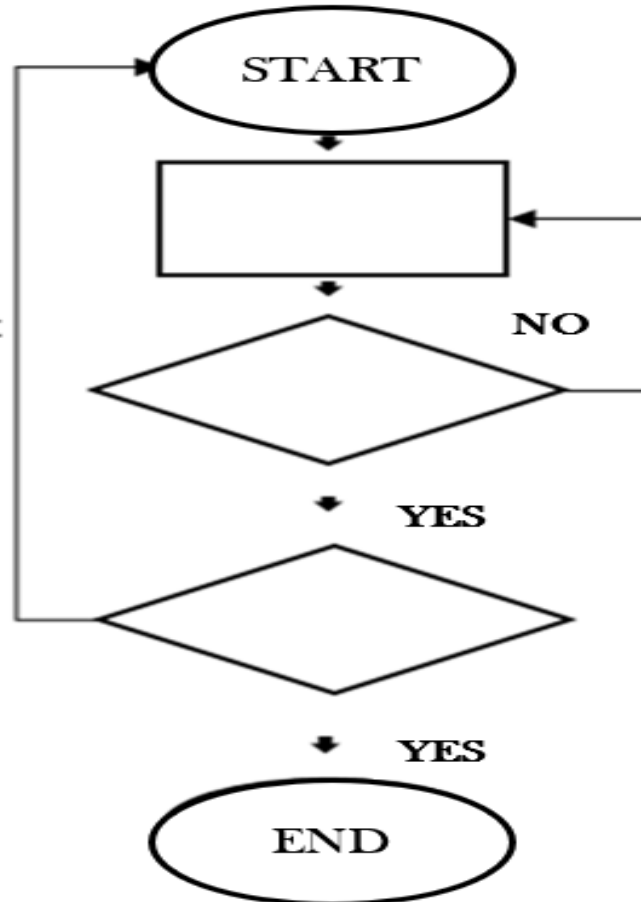
With inconsistency in
 using various scheme
 of area and location
 of Torren System
 of the land can



FLOW CHART

SURVEY ID

TIME-FRAME



Recce and fast static GNSS < 30 min at sites and GNSS data process

Coordinates are plot with the latest satellites aerial image provided by Trimble tools and arc-map are used to add sub .shape file from land features

Cadastral processing for point database and certify plan using customize cadastral surveying tool

Total days of working hours

5 acres < 5 days

3 days

8 days

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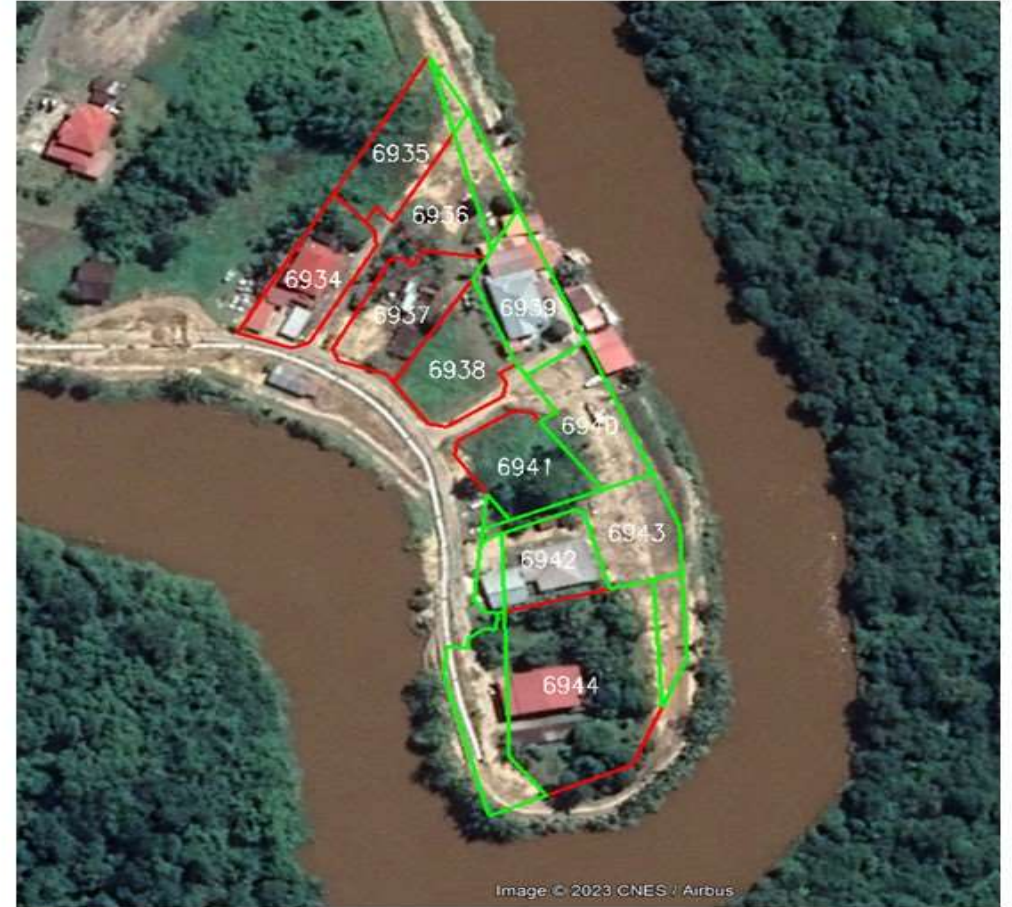


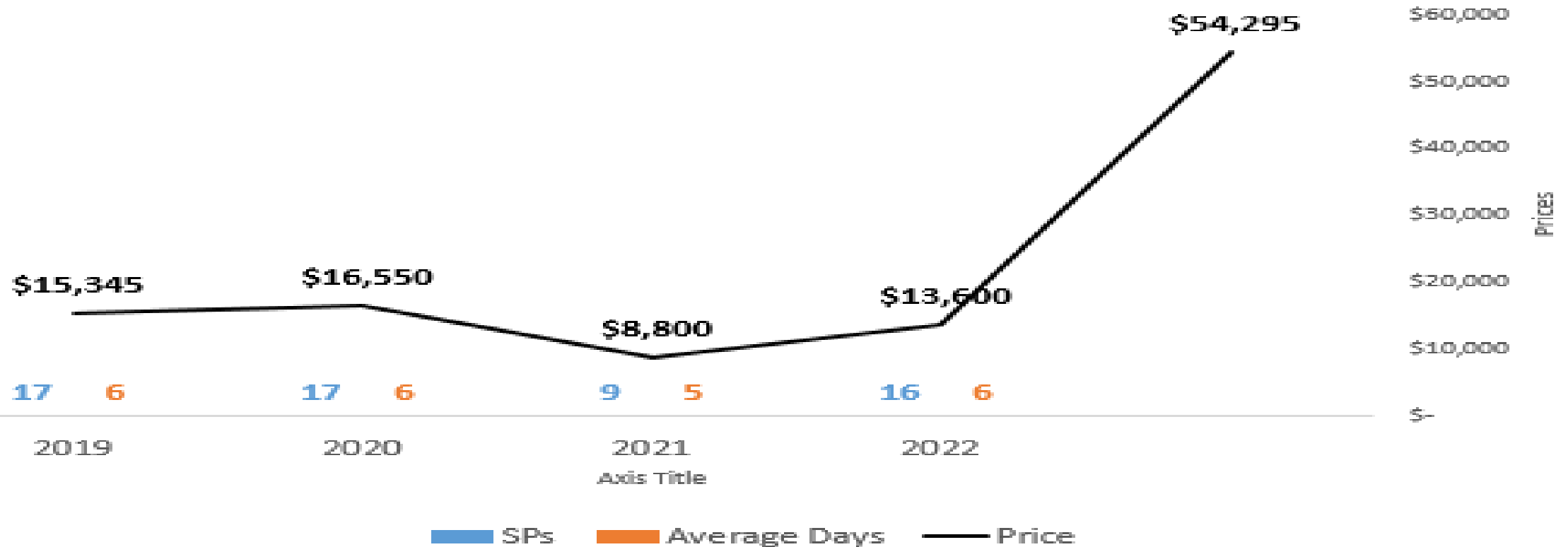
Image © 2023 CNES / Airbus

QUALITY CONTROLS

- Boundary marks : Fixed boundaries according to cadastral point database and old field book record.
- Satellite images/orthophoto : Used as sub guided for field surveys
- land surveying standard and regulations.
- To ensure the control network designed properly
- To take multiple reading to ensure accuracy.
- To minimize any blunders/errors to achieve better precision
- To conduct a through quality check of old data before finalizing the result.

Project Data Analysis

SURVEY FILES (SP TL) 2013-2020 FOR THE STUDY FOR FIT FOR PURPOSE IN BRUNEI DARUSSALAM



IMPACT ON CUSTOMERS AND DEPARTMENTS

Government

- Improved Land Administration
- Increased Revenue
- Reduced Land Disputes

Public Impact:

- Increased Access to Land
- Improved Land Tenure Security
- Reduced Waiting list

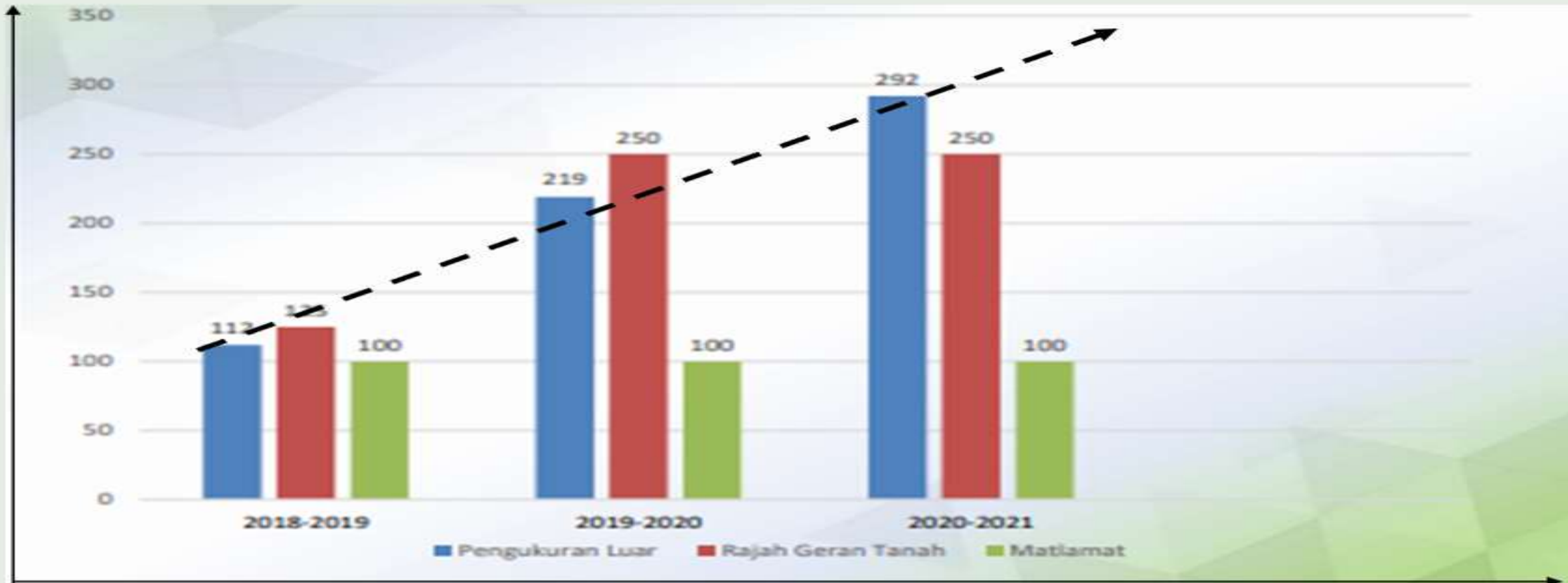
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**PRODUCT OF KEY PERFORMANCE INDICATOR FROM 2018-2021 SINCE IMPLEMENTED
FIT FOR PURPOSE**

TOTAL SURVEY FILES



SURVEYING SERVICES AND AIMS



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ACTIO

II

BIBLIOGRAPHY

Focus areas: **Strengthen sustainable and innovative technology.**

Focus **Defined: Collaboration International Federation of Surveying (AFLAG) Brunei 'Fit for Purpose'**

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