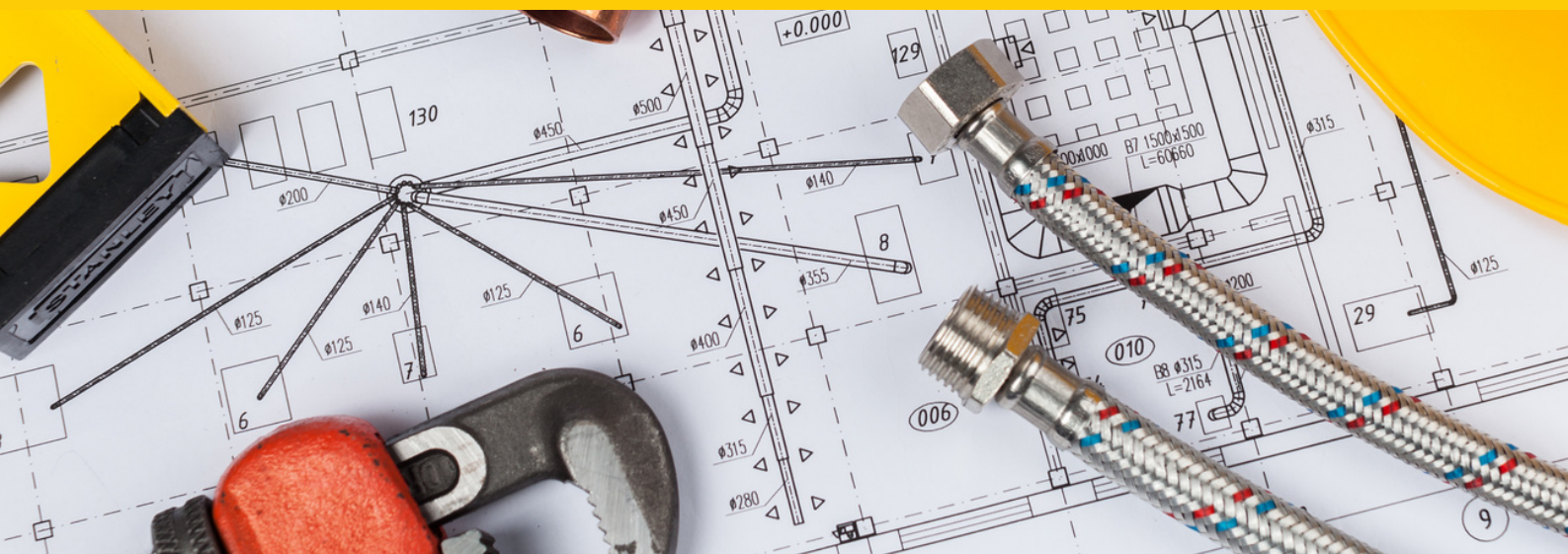


ahw.

GROUP SDN BHD

AHW GROUP SDN BHD (1388874-M)

STRIVING TO EXCELLENCE IN SERVICE WE PROVIDE



Check us Out at:



NO. 20-1, JALAN 7/18 B, TAMAN BATU PERMAI,
BATU 5 OFF JALAN IPOH, KUALA LUMPUR
+6016 604 8108 / +6012 609 8108
AHWGROUPEB@GMAIL.COM



INTRODUCTION



AHW GROUP SDN BHD (1388874-M) is a consultant company managed by a group of highly dedicated and experienced skilled personnel. Established and became active in providing comprehensive expertise in documentation such as measured drawings, Building Asset Inventory and Tagging, Building Condition Assessments (BCA), Dilapidation Survey and Building Information Modeling (BIM) in Facility Management since 2018. We also offer expertise in the preparation of scale photography, photogrammetry, and heritage site management.

AHW Group Sdn Bhd is also a company that provides professional and semi-professional consulting services. Has an experienced workforce and its own Building Information Modeling (BIM) team consisting of BIM coordinators, architects, BIM modeler, conservators, engineers (M&E) and surveyors.

Our company is one of the active and experienced consulting companies in the related field in peninsular Malaysia and has been involved in projects in many states such as Kedah, Johor, Negeri Sembilan, Melaka, etc. Operating at No. 20-1, Jalan 7/18 B, Taman Batu Permai Batu 5, Off Jalan Ipoh, 51200 Kuala Lumpur. The company would like to express interest in carrying out these works based on the experience of the works that we have handled.



WHY CHOOSE US?

AHW Group Sdn Bhd is a fast grow company specialised in as-built building data capture solutions. Our services and technology are best fit for purpose with accuracy and cost-effective solution for structural 3D mapping and 2D layout drawing. 3D laser scanning technology provides quick, comprehensive, and cost-effective data capturing within the highest accuracy and precision.

Our method carries best available technology in data integrity to eliminate any discrepancies in data capturing. Well accepted practice in the industry, digital 3D data is future proof with its readiness towards the industry revolution 4.0 (IR4.0).





OUR CORED SERVICES

We have strong teams led by a company director, who has comprehensive knowledge in BIM and high degree of interaction between teams, enabling us to offer a comprehensive and integrated range of services for a wide variety of projects in Hospital, Official building, Muzium... etc.

➔ AS BUILT / MEASURED DRAWING

- BIM Ready
- 2D & 3D Drawings
- Architecture, Mechanical & Electrical Drawings
- Detail Drawings

➔ CONSERVATION & RESTORATION OF HERITAGE BUILDING

- Conservation & Restoration Works
- Dilapidation Survey (HABSI, 2 & 3)

➔ ASSET & FACILITIES MANAGEMENT

- Building Performance Assessment (BPA)
- Asset Registration & Tagging
- Space Audit

➔ BUILDING CONDITION SURVEY

- Building Condition Assessment (BCA)
- Facility Condition Audit (FCA)
- Scheduled Inspection (Act 133, 85A)
- Pre-Purchased / Vacant Position Inspection

OUR CLIENT

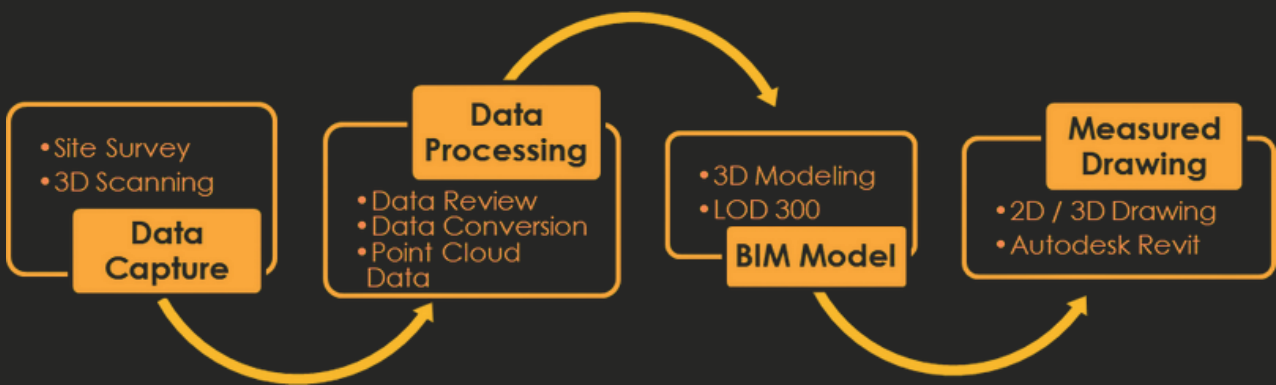


KEMENTERIAN KESIHATAN
MALAYSIA





3D SCAN TO BIM MEASURED DRAWING



- This service is the principal objective of incorporating Scan to BIM is to produce as-built models and the asset information for client's use in asset & facilities management. BIM project requirements include modelling, visualization, updating and documentation of the premises.

- The Scope of BIM Works are as follows:

A.To create as-built models including:

- Architectural models
- Structural models
- Electrical models
- Mechanical models



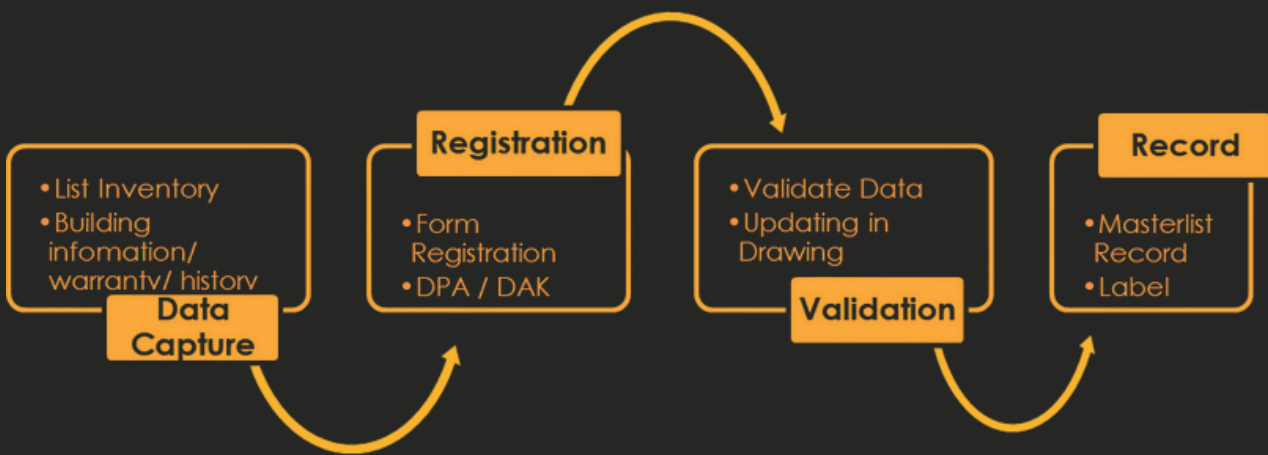
B.To produce Asset Model (combination of all discipline models above).

c.To generate electronic as-measured drawings (softcopy) from the models.

d.To generate asset information from the models.



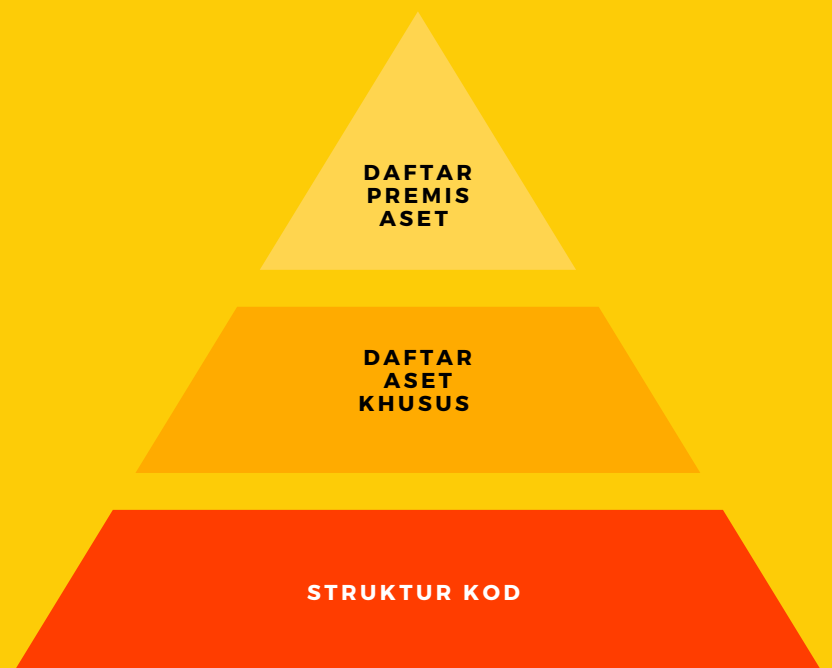
BUILDING ASSET REGISTRATION & TAGGING



•Asset tags are used for identifying asset, monitoring equipment and tracking maintenance activities, providing a foundation for efficient facilities management

•Creating an Asset Profile. Asset detail are as follow; -

- Serial numbers
- Manufacturer details
- Date of purchase
- Cost
- Location
- Condition
- Value
- Typical usable life





BUILDING CONDITION ASSESSMENT (BCA)



- **Asset** - To determine defect / real damage to buildings, it requires the services of the expert examination to find the cause of the problem and provide accurate information for repair works.
- **Technical inspection** performed by competent personnel to assess the state of the elements and services and to meet the needs of maintenance and facilities.
- **Inspection method:**
 - ✓ Inspection of the roof space
 - ✓ Room to room / space
 - ✓ Inspection of the basement, floor, building component
 - ✓ Inspection M&E System
 - ✓ Inspection of the environment, outside the building and
 - ✓ Location and inspection of the drainage system
- **Objectives and results of the assessment of building conditions can have an impact on the service delivery to enable the department to plan, build, manage and measure strategies for:**
 - ✓ Maintenance
 - ✓ Major Replacement
 - ✓ Resurfacing
 - ✓ Conservation





SOFTWARE



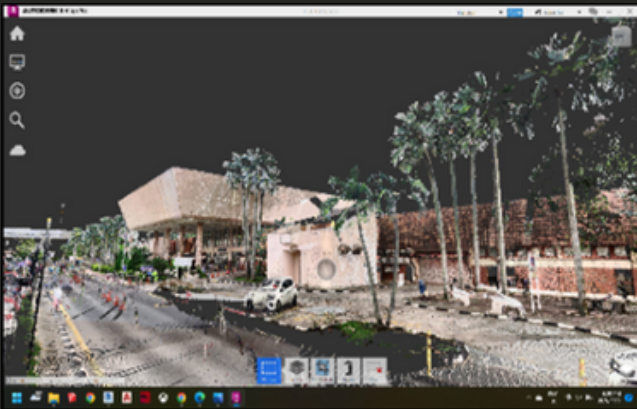
**SCENE
FARO**

R **REVIT**

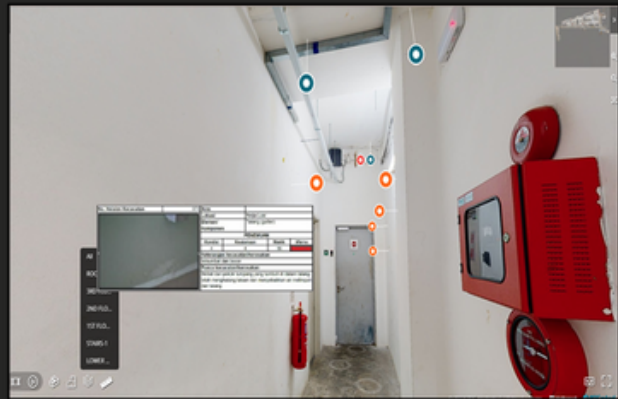
 **Matterport**



PRODUCT DEMO



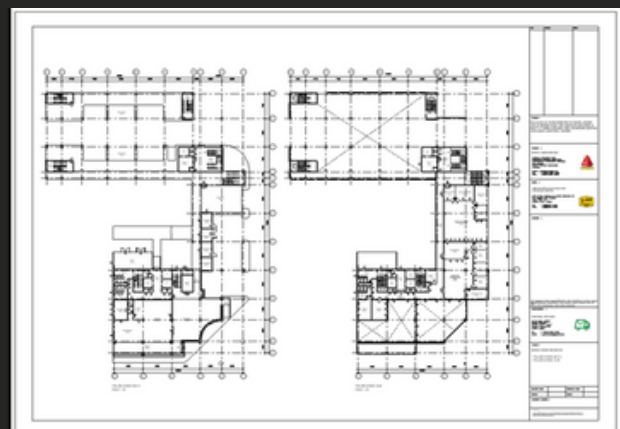
VIEW RECAP / POINT CLOUD



TAGGING BUILDING DEFECTS



DILAPIDATION



2D DRAWING



BENEFITS



EFFICIENCY

- Allows building owners and designers to make the decision on renovation/upgrading building properties



ACCURACY

- Collects accurate building documentation & information (remeasured, building material, etc.)



VERSATILITY

- Produce an as-built model that is helpful for facility management, maintenance, and operation processes.



COST-EFFICIENCY

- Helps in calculating an accurate Bill of Material that diminishes the chances of maintenance budget overruns.



SAFETY

- Scan-to-BIM uses 3D scanner, drones, etc to collect data from these tough terrains without putting people in danger.