

A black and white photograph of a tree trunk with a horizontal white band across the middle containing text.

ARCLAB.SPACE

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01

Introduction

Arclab company's background

03

Our Solutions

UI/UX designs and
Functionalities

02

Methodology

Design guidelines & Preparation
of development

04

Conclusion

Further development
recommendation



01

Introduction

Motivation

- High-quality websites can deliver company value to customers more clearly and are also an essential source of customers' first impressions.
- Compared to traditional delivery way of Email, establishing exclusive files and services for clients absolutely brings a lot benefits



ARCLAB. SPACE

- As an advanced 3D surveying and mapping company, ARCLAB's website could be improved in the designs and features.
- Through creating an online platform ARCLAB.space, the ARCLAB team and its clients are able to access this website to see the various deliverables.
- ARCLAB.space should display all of types of deliverables, such as DWG & PDF, TIF, JPG, RCS, Dropbox hyperlink, etc
- Users are allowed to login the page to view and check all deliverables correspondingly.
- Creating the functionalities of download and sharing increases the user experiences in ARCLAB.space



02

Methodology

Project Preparations

Design Guidelines

- Work more efficiently
- Reduce delays or misunderstandings
- Ensure a smooth workflow

Figma

- Figma platform is the best solution to visually display UI/UX designs
- Makes great foundation for further software development

Flat Design

- Flat design has become mainstream, improving information processing efficiency
- Ensure a smooth user access experience.
- Due to the fact that the primary deliverables from Arclab is 3D mapping files, the 3D effect elements in the web pages will look confused.

Type of Data Source

- CAD topographical survey plan – be saved in .dwg, .pdf files ➔ ***cadviewer package & react-pdf package***
- Drone Aerial Orthophoto (GeoTIFF) ➔ ***geotiff.js library***
- JPG (Site photography)
- RCS (3D Point Cloud)
- REVIT ➔ ***revit-family-web-viewer package***



03

Our Solutions

Solutions

- **Home Page**

Display existing achievements and the company profile

- **Customer Management**

Login, register and account management

- **Project Management**

Project creation, file upload and customers feedback

Technology Stack



CREATE WEBSITE WITH NODEJS, EXPRESS AND HANDLEBARS





Project:

Client:

Status:

Survey Date:

Issue Date:

Matterport Link/ 3D Walkthrough

Online 3D Point Cloud Link

Site Photography

Online BIM Model

Online DWG Survey Plan

PDF Survey Plan

ARCLAB

We are a team of architectural technicians and professional surveyors specialising in advanced 3D surveying & as-built documentation. We work directly with architects, interior designers & engineers.

- + Laser Scanning
- + Land Surveying
- + BIM As-Built (Archicad / Revit)
- + Drone Surveys

contact@arclab.works

+64 212513205

478 K Road
Auckland NZ

Login

Login

Don't have an account? [Register](#)

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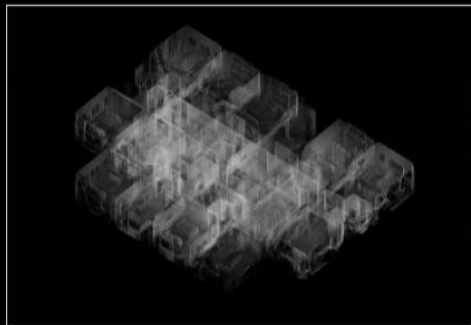
478 K Road
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Register

Register

PROJECTS / DORRINGTON ATCHESON ARCHITECTS



PROJECT: Naomi Hotel, Wellington MC
STATUS: In Progress
SURVEY DATE: 06.08.2021
ISSUE DATE: 21.08.2021



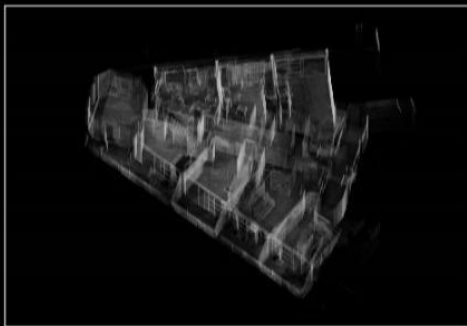
PROJECT: Oruarangi Road, Ihumaatao
STATUS: Issued
SURVEY DATE: 05.06.2021
ISSUE DATE: 11.06.2021



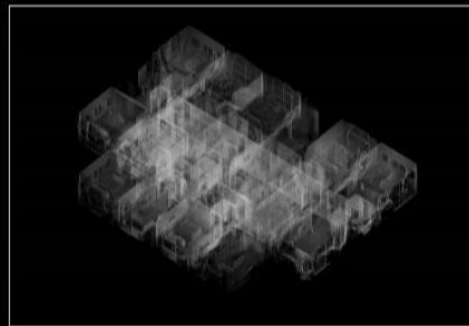
PROJECT: Project Title / Address 10101
STATUS: Issued
SURVEY DATE: 06.08.2021
ISSUE DATE: 21.08.2021



PROJECT: Project Title / Address 10101
STATUS: In Progress



PROJECT: Project Title / Address 10101
STATUS: In Progress



PROJECT: Project Title / Address 10101
STATUS: In Progress



Arclab's PROJECT

[Create Project](#)

▲ titles

▼ date

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Published at 2022/12/5 下午2:21:07

AL0078_SURVEY-PLAN

Published at 2022/12/5 下午2:17:00



Welcome, Arclab

Change Your Avatar

Change Your Password

Permanently Delete This Account

Account Information

Email

jmliu159@gmail.com

Company Name

Arclab

Description

Save Changes



Title

Edit View Format

↶ ↷ Paragraph ▼ **B** *I* [List Icons] [Link Icon]

Large text area for content input.

P

POWERED BY TINY

submit



04

Conclusion

Further Development Recommendation



cadviewer TS

7.8.30 • Public • Published 15 hours ago

revit-family-web-viewer

0.3.1 • Public • Published 4 years ago

geotiff TS

2.0.7 • Public • Published a month ago





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