



Understand your space
like it's digital

Juganu's Smart Outdoor Site Survey

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Site name:		
Site address:		
Date:		
Participants:	Name	Signature
Juganu field engineer		
Customer name		

Contents

Introduction	1
Material and Documentation	1
Installation Plan Verification.....	2
Network Planning and Connectivity Topology and Implementation	3

Introduction

Following receipt of the customer's own requests and inventory of conditions, the site survey provides essential data for the Juganu project's implementation. This survey will expand on the information provided by the customer by noting whether geographical and human-created factors, such as those listed below, will produce significant impact on the project's completion and/or prevent aspects from being carried out.

It is imperative to tour the target area and note the impactful factors. The analysis should consider these factors' effects on optimum luminance and light distribution uniformity, glare levels, and visibility of roadsides, signs, and road markings. The information included in the site survey will help integrate the customer's site assessment and requirements with the real-life situation at the target installation site.

The end result should be an installation plan accepted by the customer and by Juganu's engineering team.

Material and Documentation

Juganu will provide an installation plan in DWG format that shows the locations of fixtures, Outdoor CAPS, P2P devices, and server connection.

The smart fixtures specifications include their cameras' tilt.

Installation Plan Verification

List the topics and fill out the check list.

Installation plan is practical and feasible to execute.	1. All fixture locations, camera views, lighting ranges and communication devices are free of obstructions. 2. If satellite images are available, compare with available aerial maps of the territory. Comments: <hr/> <hr/> <hr/>	<input type="checkbox"/> Ready
Electrical Power Supply	Verify that the fixtures operating voltage and frequency comply with the local electrical standard.	<input type="checkbox"/> Ready
Installation AC wiring	Verify that AC input cable/wires are connected as detailed in the relevant installation manuals.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Road closure hours	<hr/> Installation work coordinated with customer?	<input type="checkbox"/> Ready
Laying communication cables	Need to install new cabling infrastructure?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Securing fixtures	Do the poles support the fixtures?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Installer Safety Training	Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Installation plan	Provided to customer?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Number of Installers	Specified in advance. Add more installers if required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Insurance and certifications of Installers	Coordinated with municipal regulations and policies?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Network Planning and Connectivity Topology and Implementation

The combined analysis of the site questionnaire and this site survey helps determine the optimal connectivity option for the Smart City installation. see the “*Outdoor Solution Installation Procedure.*”

Suggested Installation Solution	<input type="checkbox"/> Direct Connectivity <input type="checkbox"/> Connectivity via Outdoor CAPs <input type="checkbox"/> Connectivity Outdoor CAPs and P2P <input type="checkbox"/> Connectivity via P2P (no CAPs) <input type="checkbox"/> Long-distance Connectivity via Internet
Server Room Location	_____
Server rack meets Juganu requirements (min 6U)	<input type="checkbox"/> Ready
Server equipment and rack comply with local power standard?	<input type="checkbox"/> Ready
Internet speed (Mbps)	<input type="checkbox"/> Upload _____ <input type="checkbox"/> Download _____
Fiber Optic Cable Installation	<input type="checkbox"/> Before fixture installations (Confirm selection of installer and schedule)
Fiber Optic to RJ-45 Converters	<input type="checkbox"/> Supplied by installer <input type="checkbox"/> Supplied by Juganu
Communications Installation Map (with detailed CAP/GW locations)	<input type="checkbox"/> Ready (Provide proposed layout of cap/GW locations) <input type="checkbox"/> Not ready