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1. **Purpose:**
	1. The provided camera shall be used for remote progress monitoring purposes during the project.

Its archive and most recent images shall be made accessible to the authorized stakeholders in order to check the progress of various project phases, saving time and costs involved in making visits to site for this purpose only.

* 1. A time lapse film of an agreed length and format shall be created by the service Provider.

After the project and at intervals, the images shall be collated, edited and post-processed by the Provider for the Client’s use in public relations (PR) activities; to give to the press, showcase online or use at exhibitions.

1. **Technical Details:**

The camera shall meet or exceed the following requirements:

* 1. Weather proof IP65 enclosure
	2. Operating temperature range from -20°C to +60°C
	3. **Dehumidification** for tropical climates
	4. Image resolution of 30 **Megapixel** or higher
	5. A choice of fast professional lenses from tele to super-wide
	6. Office remote control of internal camera functions
	7. **Wiper and washer** assembly with 24-month fluid reservoir
	8. Abrasion resistant **hardened** glass enclosure screen
	9. Secure 3G or 4G wireless cellular (mobile), WiFi or Ethernet connection
	10. Records at least **500 images** a day (around 1 image per 3 minutes)
	11. **Mirrored** internal data storage capacity allowing **6 months of** images to be stored locally
	12. **Automatic recovery** mechanisms, resuming after power loss
1. **Installation:**

The Client shall:

* 1. Provide **safe access** to the camera position.
	2. Provide **a power supply** to the camera position.

The Provider shall:

* 1. **Deliver, install and set up** the camera within the agreed timeframe.
	2. Make available several **mounting solutions** to fit scaffolding, beams, pillars or roofs
	OR supply an up-to-**25m free-standing tower**, for a charge.
	3. Makealternate **solar arrangements** where power is unavailable, for a charge.
1. **Service Requirements:**

Access to the web interface providing a secure archive of recorded images shall be provided to the Client.

The interface shall meet or exceed the following requirements:

* 1. **Overview map** of Client’s projects and cameras within a project
	2. Images organised by **date** and **time**, with browse-able **thumbnails**
	3. Images all **zoomable** to full resolution
	4. **Download** or **email** chosen images
	5. A **comparison tool** to compare **multiple images**, even zoomed in
	6. **Auto generated video** from archive images
	7. **Password-protected** access, with management of access rights for **multiple users**
	8. **SSL-encryption** for secure and private transmission of images
	9. **Meteorological** and **technical data** reporting from camera location
	10. Option to **censor/blur** portions of the image
	11. **Tile view** to see all cameras’ latest images at once
	12. **Full screen** view for display purposes

The camera shall be maintained and managed remotely by the camera Provider. The Provider shall:

* 1. Regularly perform **quality control** of the images.
	2. Keep the glass **free of dust and dirt** remotely with the wiper/washer system
	3. Supervise the **energy levels** of the solar systems
	4. Have **replacement parts** available at all times
	5. React to a malfunction **within 24 hours**
	6. Guarantee an **uptime of 95%+**

When needed, the camera shall be maintained and managed on-site by the service Provider:

* 1. Should a camera develop a spontaneous fault, the Provider shall attend site **at its own cost** to carry out the required maintenance.
	2. The Provider can provide **real-time support** to local employees of the Client, should this be a preferred method to make changes or carry out maintenance to the cameras.
1. **Deliverables:**

**Time lapse** movie(s):

* 1. **Ultra High Definition** – or other as specified by the Client.
	2. Carefully **edited, titled**, and given a fitting **audio track**.
	3. Create films of **different lengths**, as specified by the Client.

Other **custom** options (not exhaustive):

* 1. **Embed codes** to display images or video on Client websites.
	2. When **requested**, a copy of **all images** taken over the project duration.