

■ TIMELAPSELAB ■

Innovative devices and platform for a smart monitoring of construction sites

What is TimelapseLab

Products and services

TimelapseLab is the new way of experiencing construction.

The industrial devices manufactured by TimelapseLab, with AI-based software, allow the completely remote supervision of the works. With a wide range supply of high-tech and customizable products and services, we combine the manufacturing of professional **devices** with a functional **management platform for the remote supervision of the works**. The devices, resistant to any criticality, ensure HD images and 4K videos. The software developed by TimelapseLab, exploiting neural networks, also guarantees the protection of personal data.

1

4K innovative
devices

2

AI powered
management
software

3

Various sectors
and application
fields

4

Documentation &
Privacy software

5

Certified Italian
product

TimelapseLab provides **both professional devices and a complete online platform**, to meet not only the demand of all **B2B companies** but also those of **large-scale construction**.

Certifications:



DOCUMENTATION
ADDITIONAL CREDITS
CERTIFICATION LEED
BUILDING

We are unmatched because we offer:

- Worldwide shipping and plug&play devices (easy-to-install)
- Virtual inspection and positioning support
- Alert system
- Certified products and services
- Easy monthly photo documentation
- Resistance to any critical condition
- Constant monitoring
- Reliability and assistance
- Privacy and GDPR Compliant
- High quality and 4K videos

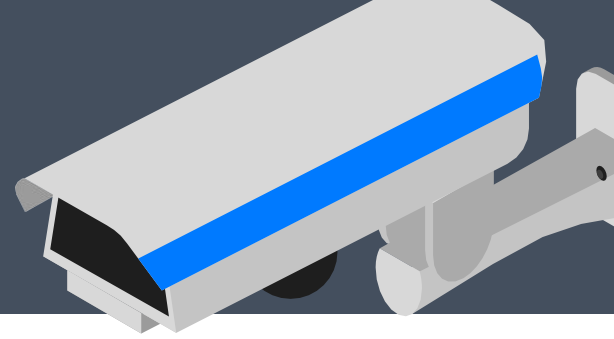
What do we do?

PRODUCTS

Tailored-made
devices for the
construction site.

SERVICES

Complete platform for
remote monitoring and
management of works.



1

4K innovative devices

Tailor-made devices built in aluminium and steel to withstand the most adverse weather conditions. The TLA suite **can be installed anywhere or in any condition immediately**. The device is provided with different accessories which guarantee its use without interruptions (box, batteries, personalized lenses, chargers and alert systems).

2

AI powered management software

The system automatically generates 4K time lapse videos at the customer's disposal every day/week/month allowing to supervise the progress of work. Furthermore, the customer will be able to create and edit their own time-lapse video for **monitoring** or **marketing**. It's possible to view images in real time and to download them keeping remote control. The **intuitive** and **easy interface** allows a quick and efficient user experience. **Search, view, compare, download and manage**.

3

Various sectors and application fields

Timelapselab offers highly customizable devices designed by our Team according to the customer's needs **to provide a tailor-made product** (optics, materials, purposes). These are then directly shipped to the site, both in Italy and abroad, **ready to be easily installed thanks to the peculiarities of plug&play**.

4

Documentation and privacy software

The devices are equipped with a software based on neural networks and vertically integrated on construction sites. The software detects and blurs in real-time all sensitive data present in the shots taken by devices, such as people, faces, plates and vehicles. **This way privacy is guaranteed, as regulated by GDPR and Art. 4 of the Workers' Statute. We provide the necessary documentation ourselves for the required fulfilment.**

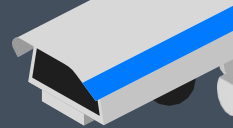
5

Italian certified product

TimelapseLab's devices are CE marked. **We work incessantly to improve and find even more through solutions**, to give the necessary boost for digital evolution of your construction site. ISO 9001 certified company and ISDP 10003.



DOCUMENTATION
ADDITIONAL CREDITS
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TLA8 DEVICE Components



Unique characteristics:



Worldwide

Our plug&play devices, easy to install by anyone, can be shipped throughout Italy and abroad.



Setup and support

The device is delivered ready to be installed. It is connected to power grid and then the frame is calibrated.



Remote Control

Check and change your device settings from remote.



Weather Resistant IP67

All the equipment of TimelapseLab is resistant to every temperature and adverse weather conditions.



High quality

High resolution devices, with interchangeable lenses if needed. On demand, a final 4k video can be made after a careful selection of the material.



Reliability

TimelapseLab devices do not require on-site maintenance or regular inspection (i.e. clean up, SD card change), as they are designed for the long term.

Reliability and quality tested in any situation.

We select the best materials to make our devices weatherproof and resistant to the typical criticalities of construction sites. Each device is subjected to controlled testing to ensure reliability and quality in any working conditions, resulting excellently resistant to extreme thermal excursions and thermal stress and high humidity.

Typical tests: Extreme temperature (5 days to 60 ° C constant, 24/24h).

Extreme temperature range (simulation of a day with excursion of 50° C between day and night for 15 days).

Extreme humidity (80% humidity for 7 consecutive days).

Optimal results: the device does not suffer any interruption or malfunction (no fogging) for the entire duration of the tests.

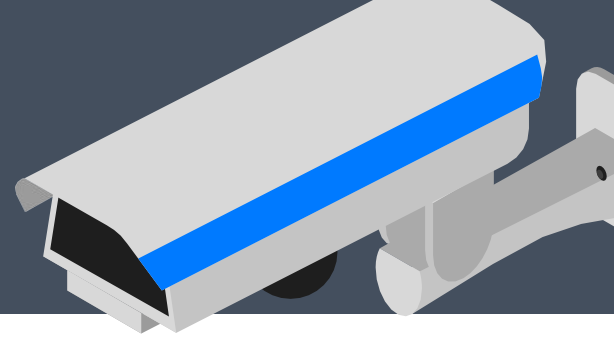
Not only marketing: control, security and proactive management

A **completely reliable and certified** platform for remote **monitoring of your construction sites**. Thanks to innovative technologies tested simulating extreme conditions, Timelapselab devices shoot high-quality frames of your construction site. These are then **collected and processed by our management** software, to allow optimal long-term monitoring of work progress. They are designed not only for the remote supervision of construction sites, industrial facilities, logistics and events, but also to produce time lapse video for promotional purposes. **Security, action, supervision and promotion.**

A collage of eight images illustrating the construction process of a building. The images are arranged in a grid-like fashion. Top left: A modern, white, multi-story building with a grid of windows. Top middle: A construction site with a large yellow crane and a building under construction, showing scaffolding and structural elements. Top right: An interior view of a large industrial or commercial space with blue overhead cranes and concrete floors. Middle left: A map of the Iberian Peninsula with a red dot indicating the location of the project. Middle middle: A construction site with a white truck and various construction materials and equipment. Middle right: A construction site with a large crane and a building under construction. Bottom left: A construction site with several yellow cranes and a building under construction. Bottom middle: A construction site with a large white play button icon in the center, suggesting a video player. Bottom right: An interior view of a large, empty industrial or commercial space with white columns and a high ceiling. On the left side of the collage, there is a black silhouette of a person pointing their right index finger towards the map in the middle left image.

With TimelapseLab you can simultaneously view different construction sites **in a single auto-updating link**, quickly and efficiently. **Optimize monitoring activity**, improve internal and external communication and reduce response times, **avoiding** poorly thought-out assessment **costs**. An immediate and complete visual experience of all your construction sites for an efficient management of information. All through **remote supervision** of your activities from every device connected to the Internet.

View from a single link work progress of all your construction sites from any device at any time, with the option to focus individually on every site.

**A**

**Architects,
engineers
and
surveyors**

View real-time images of multiple different construction sites, compare work progress status through our tools and download images (individually or monthly)—all by keeping remote control.

The platform allows you a quick and problem-free user experience. Analysis, comparison and continuous monitoring.

B

**Marketing and
communication**

Automatic 4k time lapse videos can be put to customer's disposal every day, week and month becoming an excellent tool **in the field of promotion and sale**. In addition, you can download and edit individual photos, but also create and edit your own videos in custom time lapse. **Edit, share and and make people know how you work.**

C

**Project
management**

Check every step of the way to the construction site, managing **material deliveries, Means Count, Output Count, Status Display jobs and milestone achievement**. **Daily time lapses and photos in Real time allow you to manage all your construction sites immediately.**

D

Construction
site support to
companies
and **HSE**

Compliance with privacy policy is now easier, thanks to real-time detection and blurring of sensitive data in the images. **Privacy is guaranteed, as regulated by GDPR regulations and Art. 4 of the Workers' Statute. It will be possible to verify – thanks to alerts and artificial intelligence – safety issues and failure to comply with regulations.**

E

LEED
Certification
& Audit

Simplify and document monitoring, work progress and compliance with some requirements during the construction phase, **also supporting the activity of professionals who lead to certification LEED, including primarily the Commissioning Authority or LEED AP, LEED accredited professionals**. This way, Timelapselab can help meet the requirements of certain prerequisites and/or credits.

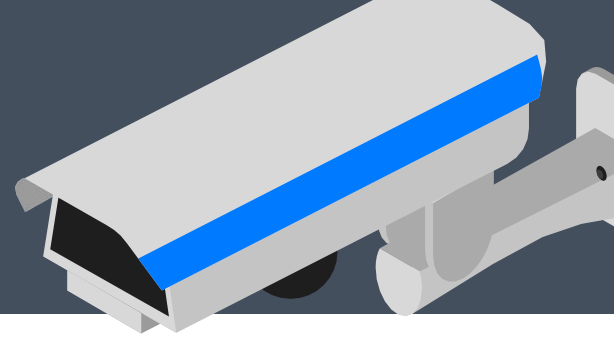
F

**Client and work
supervision –
CEO & Manager**

The client can check all the steps of the site from remote. Images, daily time-lapses, smart alerts and an innovative dashboard **to verify how work is really proceeding and developing in all its phases even if they are located in different places, thanks to the all-inclusive dashboard.**

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TimelapseLab pricing plans
(Reserved to sellers/Top clients)



Basic Plan/ Marketing

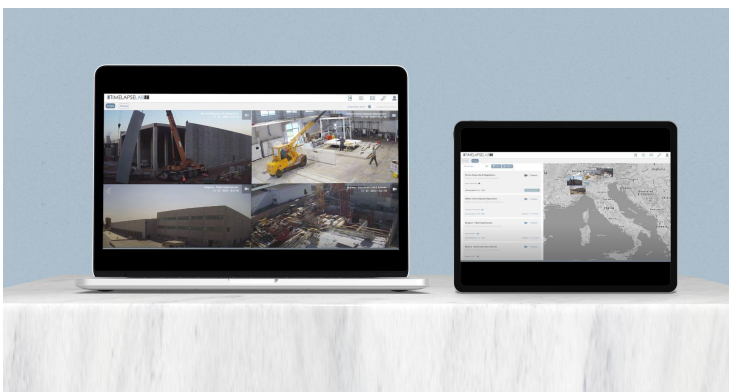
This plan allows different functions for communication/marketing team: images, comparisons, automatic time lapse, video sharing, frames editing and much more.
All you need to promote your construction site.

Smart Plan/ Marketing & Remote Control

Specific plan to ensure a complete view of the site, to monitor every single event and, with the help of smart alert and AI, to always have an accurate and intelligible overall view.

Pro Plan/ All-inclusive for multiple business areas *Customised quotation*

Tailored plan for the most challenging construction sites. It is recommended for several services for different business areas.



DEMO ACCESS <https://panel.timelapselab.com>
User demo - Password demo



**DOCUMENTATION
ADDITIONAL CREDITS
CERTIFICATION LEED
BUILDING**

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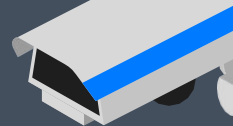
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INNOVATIVE START-UP ESTABLISHED UNDER ART. 4 PARAGRAPH 10 BIS OF THE LAW DECREE 24 JANUARY 2015, N. 3.

PRICING LIST VALID TILL: 31ST MARCH 2022

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NB: All our devices are designed and manufactured in Italy (with patents and registered trademarks) , and specifically engineered to ensure full reliability in construction sites, and not developed on consumer technology (GoPro/Cameras/Handmade box/Webcam/etc.)

SOFTWARE

BASIC (TL8)

tailored for
marketing
purposes

SMART (TL8)

for marketing
purposes and
remote control

PRO (TLA8)

all inclusive for
several
business areas

TL	European SIM with 50GB of data included (only for European sites)	X	X	X
TL	Images storage with automatic backup	X	X	X
TL	Link last image (fixed optics from 60° to 110°, no wide angle 220° or similar)	X	X	X
TL	Power failure alert (electrical/batteries/solar panels power supply)	X	X	X
TL	Security, images and video cryptography. Remote adjustment of time shots intervals	X	X	X
TL	Virtual analysis of the site and positioning support	X	X	X
TL	Remote support and insurance	X	X	X
MK	4k images with any additional logo/embedding on external website	X	X	X
MK CO	Standard monthly auto-timelapse generator	X	X	X
MK CO	Web platform with downloadable images per customized intervals and filters with different parameters	X	X	X
MK CO	Daily auto-sending of images and monthly zip	X	X	X
MK CO	Split screen/zoom between two images in different moments	X	X	X
CO	Advanced sharing functions	X	X	X
CO	Local weather forecasting	X	X	X
CO	Possible timestamp on images and quality control	X	X	X
PR	Standard Legal Documentation, servers placed in Europe	X	X	X
TL	Multilevel access with customizable authorizations for other areas/users (Marketing/PM/Hse/Ceo/Work Management/Leed/Final client)		X	X
TL	Backup on encrypted internal SD		X	X
TL	Available images via web post-construction		X	X
TL	Platform for project management/quality/security/etc (2SEM - 2022)		X	X
MK	Generator of customizable daily/weekly/monthly auto-timelapse		X	X
MK CO	Graphic images editor for marketing and inspection purposes		X	X

SOFTWARE

BASIC

SMART

PRO

CO	Overview group page from different devices for a constant monitoring of work progress (for CEO, PM, Manager, work management) -autorefresh	X	X
CO	Devices map	X	X
CO	Weather Alert - alert for adverse weather forecast in the following days	X	X
PR	Obfuscation bodies/plates/vehicles through proprietary software vertically built on sites	X	X
PR	Blurring areas (i.e. public roads)	X	X
PR	GDPR complete documentation + ISDP 10003:2020 certification	X	X
TL	Repository for images/video upload from various sources (2SEM - 2022)		X
TL	Possible file placement on local servers without web exposure (military areas/oil&gas etc.)		X
TL	Possible file placement on extra UE countries servers		X
TL	Alert after-hours entries and exits (2SEM - 2022)		X
TL	Predictive and productivity analysis of construction sites to find criticalities (BETA)		X
MK	Single time-lapse generator from more devices and self-editing		X
MK	Single time-lapse generator from more devices and self-assembly (Advanced editing Dashboard) *from 2SEM/2022 external video files input (i.e. from drone) with direct editing on the platform		X
CO	Protective equipment alert (hard hat and protection - 2SEM - 2022)		X
CO	People/vehicles count (BETA)		X
CO	BIM integration (2SEM - 2022)		X
CO	Live view and change of auto-snapshots intervals (BETA)		X
LE	LEED certification documentation		X
	Powered remote varifocal lenses option(from 50° to 110°)		optional
	Addition of internal buffer batteries (duration 1 day) - +20mt extension cables		X
	2 Batteries and power chargers - cost to be assessed based on the battery life		X
	White Label - Hardware and Software - to be examined for each situation	X	X



PRIVACY MODULE



MARKETING MODULE



CONTROL MODULE



BASIC MODULE



LEED MODULE

Business Model

- **Device rental & software** (monthly or recurring cost)
- **Device sale** (one-time payment, minimum 10, with monthly fee web platform)
- **Tailor-made enterprise solution**

LOOKING FOR A TAILOR-MADE SOLUTION? ASK FOR THE ENTERPRISE VERSION.

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