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.

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**

Certifications:

ELITE COMPANY

CE

ISO 9001:2015

ACCREDIA L'ENTE DI ACCREDITAMENTO

DATA PROTECTION CERTIFIED ISDP© 10003-2020

contributes to SSP1,SSC6,EAP1 EAC1,MRC1,MRC5,EQC3 greenDay™ NC IT04-21092901

DOCUMENTATION
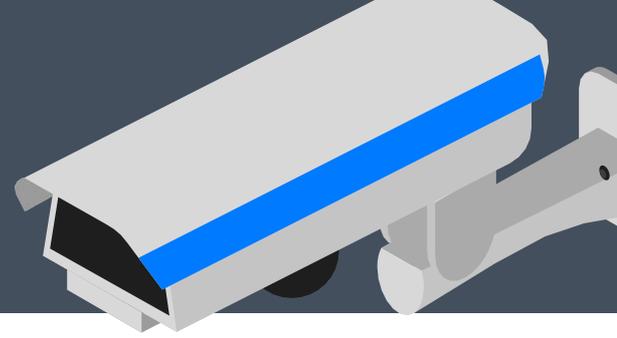ADDITIONAL CREDITS
CERTIFICATION LEED
BUILDING

What do we do?

PRODUCTS
Tailored-made **devices** for the construction site.

SERVICES
Complete platform for **remote monitoring** and management of works.

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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.**
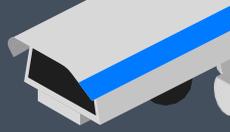
5 Italian **certified product**

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.

ISO 9001:2015　　CE　　ACCREDIA L'ENTE DI ACCREDITAMENTO　　DATA PROTECTION CERTIFIED ISDP©10003:2020　　ELITE COMPANY　　contributed to SSP1,SSC6,EAP1 EAC1,MRC1,MRC2,EQC3 IT04-21092901

DOCUMENTATION ADDITIONAL CREDITS CERTIFICATION LEED BUILDING

TLA8 DEVICE Components

TECHNO POLYMER SUNROOF

CALIBRATED CRYSTAL FRONT GLASS

DIE-CAST ALUMINIUM HOUSING AND BRACKET

3G ANTENNA, 4G LTE HIGH GAIN

IP67 POWER SUPPLY IN DIE-CAST ALUMINIUM ALLOY HOUSING WITH STAINLESS STEEL SCREWS

FIXING PLATE MADE OF AISI 316 STAINLESS STEEL

5 METRE NEOPRENE POWER CORD WITH CEE PLUG

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.

Photo & video legal certification
It is possible to purchase the legal certification service, your photos can be instantly certified in order to have better legal coverage.

AI & Productivity
We are actually developing a new software to track the activity volume on works in the building site. We will be able to give the chief a new set of data about productivity and intensity

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 º C constant, 24/24h).
Extreme temperature range (simulation of a day with excursion of 50º 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.
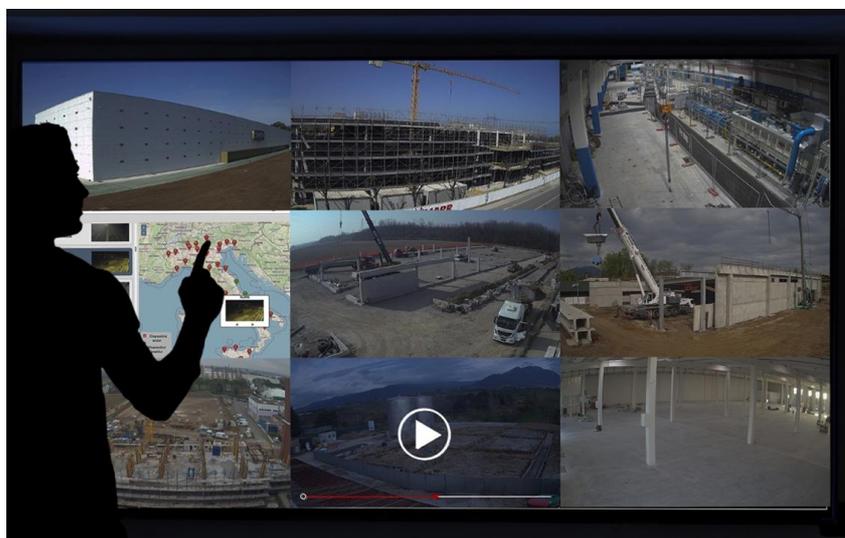
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A platform **for all interlocutors of the construction site**

## 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 CLEAR AND RELIABLE MONITORING OF ALL YOUR CONSTRUCTION SITES FROM A SINGLE LINK

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. Service of **legal certification of photo & video** is available as a secondary service in order to have better legal coverage instantly available at the moment.

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.

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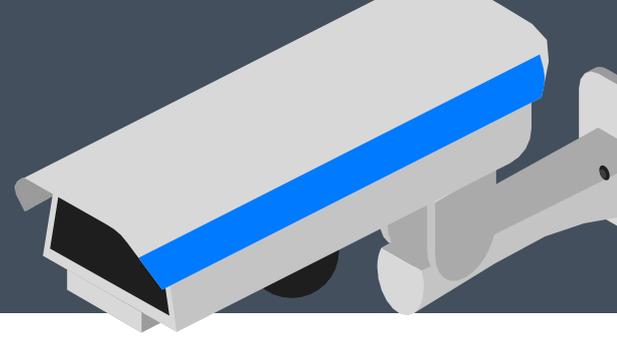
A | **Architects, engineers and surveyors**
View real-time images of multiple different construction sites, compare work progress status through our tools and download images (individually or monthly)—all by keeping remote control. **The platform allows you a quick and problem-free user experience. Analysis, 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.**

G | **Respect for ESG criteria**
TimelapseLab continues **its commitment to sustainability by respecting the ESG criteria:** Environmental, Social and Governance. A sustainability rating that is expressed on the environmental, social and governance impact of a company or organization operating on the market.

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**TimelapseLab pricing plans
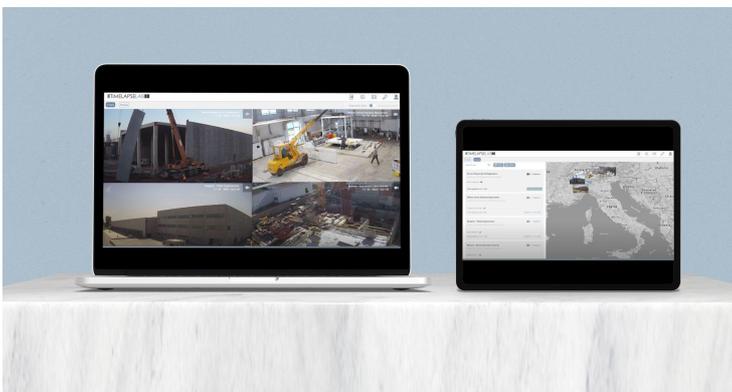(Reserved to sellers/Top clients)**
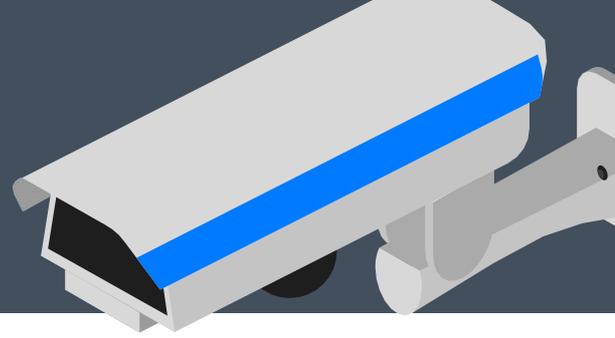
Basic Plan/ Marketing

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.

ISO 9001:2015

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DOCUMENTATION ADDITIONAL CREDITS CERTIFICATION LEED BUILDING

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

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		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			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			X
(TL) Predictive and productivity analysis of construction sites to find criticalities			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) external video files input (i.e. from drone) with direct editing on the platform			X
(CO) Protective equipment alert (hard hat and protection)			X
(CO) People/vehicles count			X
(CO) BIM integration			X
(CO) Live view and change of auto-snapshots intervals			X
(LE) LEED certification documentation			X
Powered remote varifocal lenses option(from 50° to 110°)			optional
Legal certification for photos & videos			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

(PR) **PRIVACY MODULE** (MK) **MARKETING MODULE** (CO) **CONTROL MODULE** (TL) **BASIC MODULE** (LE) **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.