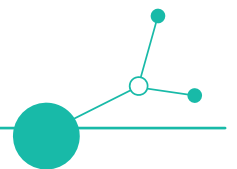


REPORT ON THE TRANSNATIONAL WORKSHOP

TORINO, 11. - 12. JUNE 2025



Version 1

06 2025



Project Information

Project ID	CE0100439
Project Acronym	BIM4CE
Project Full Title	Bridge monitoring using real-time data and digital twins for Central Europe
Starting Date	30.03.2023
Duration	3 years
Topic	Strengthening innovation capacities in central Europe
Project Website	https://www.interreg-central.eu/projects/bim4ce/
Project Coordinator	Dr. Ilia Lashkov
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1. Attendance list - day 1

List of participants: BIM4CE Transnational Workshop, Turin, Italy 11/12 - 06 - 2025

Day 1: 11 - 06 - 2025

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List of participants: BIM4CE Transnational Workshop, Turin, Italy 11/12 - 06 - 2025

Day 1: 11 - 06 - 2025

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16	GIUSEPPE FERRELLI	ORDINE INGEGNERI TO RIND	giuseppe.ferrelli@pol.it	STATE HOLDER	



List of participants: BIM4CE Transnational Workshop, Turin, Italy 11/12 – 06 – 2025

Day 1: 11 – 06 – 2025

#	Name Complete	Affiliation	E-Mail	Partner/Stakeholder	Signature
17	GIOVANNI TERENA	CSP	giovanni.terena@cs.p.it	Partner	
18	MARCIO OLAYA	CSP	mario.olaya@cs.p.it	PP	
19	ISABELLA BORDI	CSP			
20	ANNA TORRO	FIOPM		Stakeholder	ONLINE



2. Attendance list - day 2

List of participants: BIM4CE Transnational Workshop, Turin, Italy 11/12 – 06 – 2025

Day 2: 12 – 06 – 2025

#	Name Complete	Affiliation	E-Mail	Partner/Stakeholder	Signature
1	NINA BIZO	BP AKADEMIX	-11-	PP	
2	ANDREA PISCINI	SINA	"	"	
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6	Vanessa Kuema	BP Akademija	vanessa@bpakademija.com	PP	
7	Žilka Lashkov	TU Dresden	Ilja.Lashkov@tu-dresden.de	LP	
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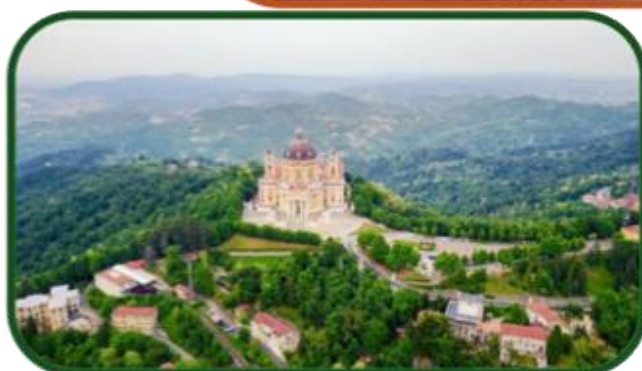
List of participants: BIM4CE Transnational Workshop, Turin, Italy 11/12 - 06 - 2025

Day 2: 12 - 06 - 2025

#	Name Complete	Affiliation	E-Mail	Partner/Stakeholder	Signature
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15	Mario Olaya	CSP	mario.olaya@csp.it	PP	



3. Infopack and agenda



Transnational Workshop
Turin, Italy



11th & 12 of June 2025



Agenda



Transfer & Accommodation



Sight-seeing



Palazzina Geisler
Corso Trento, 21, 10129
Torino Piemonte



The Venue

Sede di rappresentanza CSP - Sede Ordine degli Ingegneri della Provincia di Torino

Palazzina Geisser

Corso Trento, 21, 10129 Torino Piemonte



History

The Palazzina Geisser, corso Trento 21, in front of Politecnico di Torino built in 1930 in a garden-city setting, was designed as a prestigious residence. Its architecture features a dynamic and articulated volume, with loggias, terraces, and staircases leading to the elevated main floor, as well as double-ramp stairs descending into the garden.

This architectural work reflects a conservative approach to classical villa models of the 20th century in Turin, incorporating elements such as pediments, cartouches, entablatures, niches, moldings, and ornaments, demonstrating the influence of late-stage Liberty style. At the turn of the 19th and 20th centuries, Turin was a hub of architectural innovation, debating Renaissance and Baroque traditions against emerging Liberty and modernist styles. Architects sought to balance international rationalism and industrial architecture with the institutional buildings of the fascist era.





AGENDA - Workshop with associated Partners and Experts

Day 1

Wednesday 11th of June 2025 (Hybrid, via Zoom)



08:45 - 09:15 - Registration

09:20 - Introduction and welcome from Lead Partner, President CSP and President Ordine Ingegneri Torino

09:30 - Project partners, Stakeholders and Experts introduce themselves

10:30 - Coffee break

11:00 - Present situation of WP1 and WP2

11:30 - Discussion / Questions

12:00 - 13:00 - Lunch and getting to know each other

13:00 - Work Package 3 (Adaption and upscaling of developed solution)

13:30 - Discussion / Questions

14:10 - The 3rd bridge test presentation (Sant'Ambrogio's Bridge)

14:30 - Start to visit bridge Sant'Ambrogio

17:30 - Return to Torino

19:00 - Dinner

The meeting will take place in English language.



Registration is required for the event. Please send an email with your data to the following e-mail address: ing.marco.allegretti@gmail.com or marcio.olaya@csp.it by June 06th 2025.

Remote participation is possible. To participate remotely, please use the link below.

<https://tu-dresden.zoom.us/j/3145048788?pwd=eUFXbGQrWEh5L0lTbmdVcU1PeURBZz09>





AGENDA - Partners meeting

Day 2

Thursday 12th of June 2025 (Hybrid, via Zoom)



- 09:20** - Recap of the 1st day
- 09:30** - Financial management, reports
- 10:00** - Communication and dissemination strategy
- 10:30** - Technology and product discussion
- 11:15** - Coffee break
- 11:30** - Brainstorming about the deliverables of WP3
- 12:00 - 13:00** - Lunch
- 13:00** - Summary
- 14:00** - End of the day

We kindly ask to confirm your participation at the on-site meeting via email to the representative of the Lead Partner ilia.lashkov@tu-dresden.de and the event organiser marcio.olaya@csp.it.

Contacts:

Dr. Ilia Lashkov (ilia.lashkov@tu-dresden.de)

Nasim Didehvar (ndidehvar@schuessler-plan.digital)

Pr. Giovanni Perona (giovanni.perona@csp.it)

Ing. Marco Allegretti (ing.marco.allegretti@gmail.com)

Marcio Olaya (marcio.olaya@csp.it)





Transfer & Arrival to Turin, Piedmont



Airplane

Turin Airport (Aeroporto di Torino), also known as Turin-Caselle Airport (IATA: TRN), is an international airport. Located about 16 km (10 miles) northwest of the city center, it handles both domestic and international flights. The airport features a single terminal with modern facilities, including shops, restaurants, and car rental services. It serves as a hub for business and leisure travelers, with connections to major European cities. Public transportation options include buses, taxis, and car rentals, providing easy access to Turin and surrounding areas.

From Turin airport to meeting zone:

Car:

The quickest way to get from Turin Airport (TRN) to Meeting zone is to drive and takes 25–30 minutes (depending on traffic) about 20km. Its possible to arrive using taxi car and cost close 40 - 50€.

Train:

Its possible to get to Turin city using to Trenitalia Railways. Tickets cost 3.70€ and the journey takes 30 minutes arriving to Porta Susa station.

Bus:

There are different bus companies to get to the city from the airport. The most commonly used are:

- Arriva Italia: Cost 7.50€ and the journey takes 35 minutes arriving to Porta Susa station(Link: [Homepage - Arriva Italia - Torino](#))
- Flixbus: Cost 3 - 6€ and the journey takes 25 minutes arriving to Bus station(Link: [Shuttle Bus Turin City – Turin Airport | From 2,99€](#))





Transfer & Arrival to Turin, Piedmont

Train Station

Turin can be reached by train. There are two main railway stations (Not very far from the meeting place):



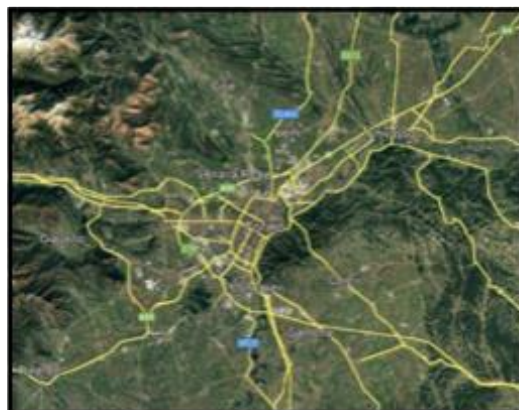
- **Porta Susa:** Major railway station in Turin, Italy, serving as a key hub for high-speed trains, regional services, and international connections. Opened in 1868 and extensively modernized in 2013, the station features a sleek, glass-covered design and is strategically located near the city center. It connects Turin with cities like Milan, Paris, and Lyon, making it a crucial gateway for travelers.

- **Porta Nuova:** Main railway station of Turin, Italy, and one of the busiest in the country. Opened in 1861, it features a grand 19th-century façade and serves as a major hub for high-speed, regional, and international trains. Located near the city center, it provides direct connections to cities like Milan, Rome, and Paris.



Free Ways

Free ways from East - North - South - West converge to the city





Accommodation Options

For mobility, can use GTT buses (1.9€ ticket) or taxi (phone: 011 5737 - 011 5730)

Some recommendations close to the meeting area are:

1. Best Quality Hotel Politecnico

Via Spalato, 7, 10141 Torino Piemonte
Link: [Hotel vicino università - Hotel Politecnico Torino | Best Quality Hotel](#)



2. Hotel Italia

Corso Stati Uniti 9/bis, 10128 Torino Piemonte
Link: [Hotel Italia Torino - Vicino alla Stazione di Porta Nuova e Politecnico](#)



3. NH Torino Centro

Corso Vittorio Emanuele II 104, 10121 Torino Piemonte
Link: [Hotel NH Torino Centro | Hotel a Torino, Italia | nh-hotels.it](#)



4. Hotel Ferrucci Srl - Unipersonale

Via San Paolo, 2, 10100 Torino Piemonte
Link: [Hotel Ferrucci Torino - nuovo 2025 prezzi, recensioni, prenota ora](#)



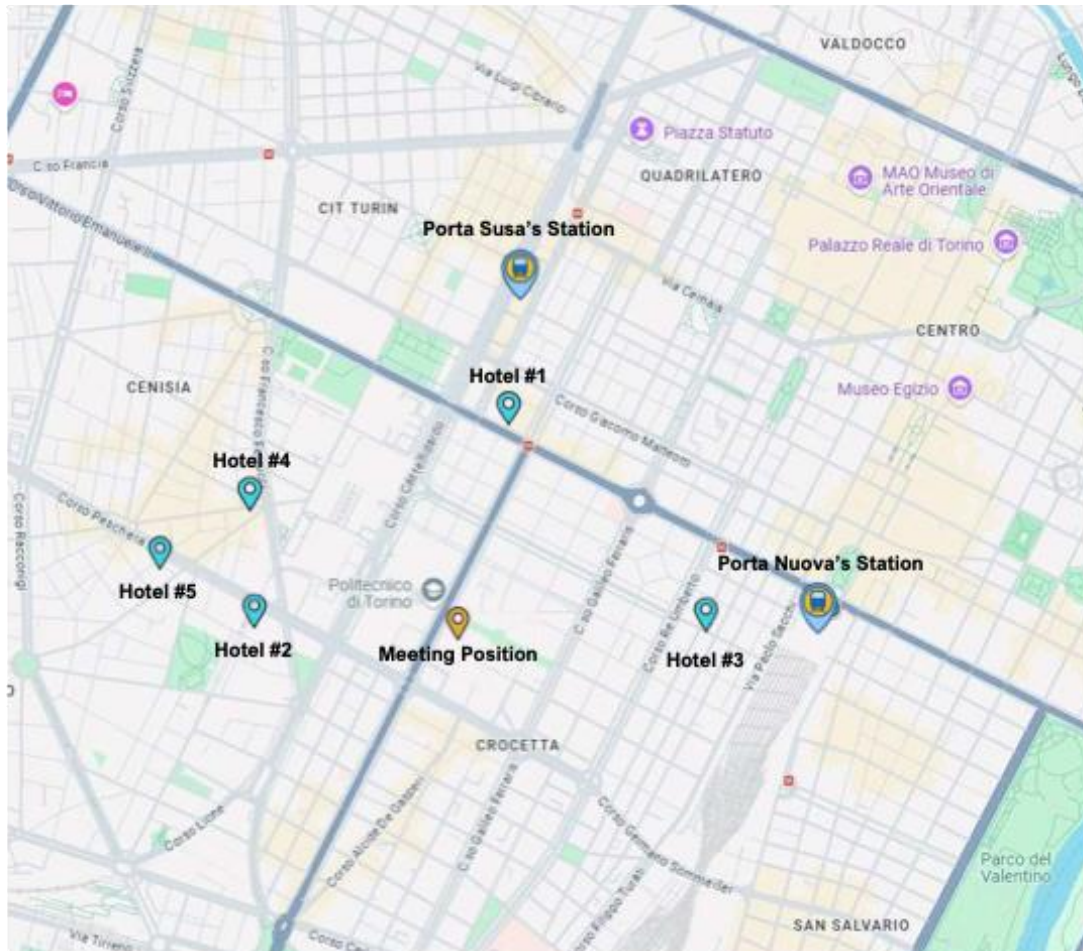
5. Hotel Universo

Corso Peschiera, 166, 10138 Torino Piemonte
Link: [Hotel Torino Porta Susa Train Railway station, Hotels near Politecnico di Torino and city center](#)





Map



- **Meeting Position:** Palazzina Geisser
- **Hotel #1:** NH Torino Centro (850m to Meeting Position)
- **Hotel #2:** Best Quality Hotel Politecnico (950m to Meeting Position)
- **Hotel #3:** Hotel Italia (1km to Meeting Position)
- **Hotel #4:** Hotel Ferrucci Srl - Unipersonale (1.2km to Meeting Position)
- **Hotel #5:** Hotel Universo (1.3km to Meeting Position)



Sightseeing

Link for information about Turin city:

[Come muoversi in città | Turismo Torino e Provincia](#)

Piazza Castello

The main historic square in Turin, Italy, and a cultural and architectural hub of the city. Located in the city center, it is surrounded by important landmarks, including Palazzo Reale (Royal Palace), Palazzo Madama, Teatro Regio di Torino and Piazzetta Reale



La Mole Antonelliana

Turin's most iconic landmark, originally designed as a synagogue in the 19th century but later transformed into a national monument. It is named after its architect, Alessandro Antonelli, and stands at 167.5 meters (550 feet), making it one of the tallest brick buildings in the world.

Museo Egizio

A baroque palace in the centre of Torino houses the oldest Egyptian museum in the world. Founded in 1824, it is considered the most important museum of Egyptian antiquities after Cairo.



Superga

Refers to both a hill and a basilica located just outside Turin, offering stunning views of the city and the surrounding Alps. It's an important historical and religious site, attracting both visitors and locals.

Piazza San Carlo

One of Turin's most beautiful and historic squares, located in the heart of the city. It's often referred to as the "Salotto di Torino" (Turin's living room) due to its elegant architecture and central location.





Sightseeing

Link for information about Turin city:

[LA CORONA DI DELIZIE - GUIDA TURISTICA TORINO](#)



La Corona di Delizie (The Crown of Delights)

A network of historic royal residences surrounding Turin, Italy, built by the House of Savoy between the 16th and 18th centuries. These palaces, hunting lodges, and villas were designed as symbols of power and leisure, blending Baroque and Renaissance architecture. Key sites include Venaria Reale, Stupinigi, Rivoli, and Moncalieri, many of which are UNESCO World Heritage Sites. Today, they serve as museums, cultural venues, and tourist attractions, showcasing the grandeur of the Savoy dynasty.

Some historic royal residences are:

1. Valentino Castle
2. Royal Palace
3. Reggia di Venaria
4. Villa della Regina
5. Moncalieri Castle





4. Social media visibility



BIM4CE Project Meeting – Turin, 11–12 June 2025

On 11th and 12th June, CSP hosted the **#BIM4CE** project meeting at Palazzina Geisser, right across from the Polytechnic of Torino. Project partners, stakeholders, and experts gathered to introduce themselves and share interesting insights. The agenda featured updates on the state of the art of the WPs, followed by a field visit to the Sant'Ambrogio Bridge, the Italian pilot case.

Day two focused on financial management, project reporting, and refining our communication and dissemination strategy.

Great energy, valuable exchanges, and teamwork!

Thank you TUD team for the great host and organization of the event!

Technische Universität Dresden | CSP - Innovazione nelle ICT | Schüßler-Plan Digital | Cestel | Hentschke Bau GmbH | Gruppo FOS | Sina | ZAG - Zavod za gradbeništvo Slovenije

Übersetzung anzeigen



https://www.linkedin.com/posts/bim4ce_bim4ce-activity-7340736081291534337-BCOs?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD61ZJMBbQfiLDV9uk83wlo1FPgHYa_LAYg



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BIM4CE Project – Transnational Workshop in Turin

Schuessler-Plan Digital recently led Work Package 2 of the EU **BIM4CE** project and participated in a two-day workshop on June 11–12 in Turin, hosted by **CSP - Innovazione nelle ICT**. This workshop marked the successful completion of WP2 and provided an opportunity to present our developed solutions to the consortium.

During the workshop, our colleague, **Nasim Didehvar** presented the results of Schuessler-Plan Digital's BIM-based digital twin platform . The solution is already implemented on Slovenia's Tomačev Bridge, utilizing advanced sensors installed by **Cestel** for real-time monitoring. The implementation relies on Infohub, the cloud-based data hub from **COLNEO GmbH**, which serves as the central infrastructure for data management and model integration across the BIM4CE project.

 We also visited the Sant'Ambrogio Bridge near Turin, which will be our next demonstration site.

The BIM4CE project aims to develop a digital, affordable, and scalable solution for monitoring aging bridges, enabling more cost-efficient and safer infrastructure. We look forward to shaping a smarter, safer future for Europe's bridges! 

https://www.linkedin.com/posts/schuessler-plandigital_bim4ce-digitaltwin-bim-activity-7340299106310934528-764Z?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD61ZJMBbQfiLDV9uk83wlo1FPgHYa_LAYg



Poslovna skupina Business Point

Objavil Vanesa Kuzma



· 12 h ·



Projektni sestanek **Bim4ce** | Torino, 11.–12. junij 2025

Pred dvema tednoma se je ekipa projekta BIM4CE zbrala v Torinu na produktivnem dvodnevnem srečanju, ki ga je v Palazzini Geisser gostil projektni partner CSP.

🇮🇹 Prvi dan so projektni partnerji, deležniki in strokovnjaki predstavili napredek pri delovnih sklopih in obiskali italijansko pilotno lokacijo – most Sant'Ambrogio.

📄 Drugi dan pa je bil namenjen poročanju o projektu, finančnemu načrtovanju in izboljševanju naše komunikacijske strategije.

👉 Iz Torina smo odšli navdihnjeni in pripravljeni na naslednje korake v projektu.

Projekt sofinancira Program Interreg CENTRAL EUROPE v okviru Evropskega sklada za regionalni razvoj.

Technische Universität Dresden | CSP - Innovazione nelle ICT | Schüßler-Plan Digital | **Cestel** | **Gruppo FOS** | Sina | **ZAG Ljubljana** | BP Akademija

#bim4ce

Bim4ce Project Meeting | Turin, 11–12 June 2025

Two weeks ago, the BIM4CE team gathered in Turin for a productive two-day meeting hosted by the project partner CSP at Palazzina Geisser.

🇮🇹 On the first day, project partners, stakeholders, and experts shared progress on work packages and visited the Italian pilot site – the Sant'Ambrogio Bridge.

📄 The second day was dedicated to project reporting, financial planning, and enhancing our communication strategy.

👉 We left Turin inspired and aligned, ready to take the next steps in our project.

This project is supported by the Interreg CENTRAL EUROPE Programme with co-financing from the European Regional Development Fund.

Technische Universität Dresden | CSP - Innovazione nelle ICT | Schüßler-Plan Digital | **Cestel** | **Gruppo FOS** | Sina | **ZAG Ljubljana** | BP Akademija

#bim4ce

https://www.facebook.com/permalink.php/?story_fbid=122231938370086969&id=61552609083602



5. The Content Discussed During the Conducted Workshops

Workshop Dates: 11 - 12 June 2025

Location: Torino, Italy

5.1. Day 1

5.1.1. Introduction and Presentations

Introduction of all partners and stakeholders.

Lead Partner (LP) presented the project framework: duration, financial structure, and overall timeline.

Stakeholder presentation (Inspection Drone) - a best-practice example of using drones to monitor bridge conditions.

5.1.2. Thematic Discussion

Main topics included safety concerns, aging infrastructure, and lack of monitoring data.

Emphasis on continuous monitoring using drones to enable predictive maintenance and reduce long-term costs.

The importance of including infrastructure health data in strategic and investment plans was highlighted.

BIM4CE was recognized as a useful tool for increasing transparency and raising awareness about infrastructure maintenance practices.

5.1.3. Project Status Update

Overview of the project's progress since its inception: 24 consortium meetings, stakeholder engagement, and identification of three pilot sites.

Presentation of WP1 and WP2, including:

- Development of leakage and corrosion sensors.
- Selection of EtherCAT as the communication protocol.
- Presentation of the digital twin platform and information hub.
- Update on data collection from Tomačevo and upcoming installations in St. Ambrogio and IDA-KI test bridges.



5.1.4. WP3 Introduction

An overview of WP3 deliverables and timelines.

Responsibility distribution and preliminary planning for each partner presented, with further details planned for the second day.

5.1.5. Site Visit

A guided visit to the Sant Ambrogio bridge included inspection planning, sensor location assessment, and discussion of monitoring scenarios.

5.2. Day 2

5.2.1. Recap and Administrative Updates

Summary of the first day.

Update on financial and administrative status:

- BP Akademija introduced as a new project partner.
- 4th reporting period submitted (except by SINNA).
- Spending remains below target; measures discussed (budget reallocation, possible extension).

5.2.2. Funding Opportunities

Presentation of the 4th Call of Interreg Central Europe and its conditions (capitalization project structure).

Three options discussed for project continuation or enhancement:

- Project ends as planned.
- New application under the 4th Call.

5.2.3. Communication and Dissemination

Update on communication strategy:

- Social media presence is strong, but improvements are needed for the YouTube channel.
- The fifth project newsletter is being prepared.
- Project photos from Torino to be uploaded to the shared platform.



- Commitment made to one post per month until project conclusion.

5.2.4. Technical Discussions

Determination of data types to be included in the info hub.

WP2 final report planning and stakeholder feedback collection (questionnaires, sensor performance, platform evaluation).

5.2.5. WP3 Brainstorming and Planning

Discussion of upcoming WP3 deliverables:

- D.3.1.1 Midterm Review of implemented solutions - due by July 2025 in Italy.
- D.3.1.2 Final report on pilot tests - due March 2026, includes real measurements and milestone presentation.
- D.3.2.1 Presentation materials for conferences - focusing on social, sustainable, and economic impacts.
- D.3.3.1 Documentation of supply chains and certification methods.
- D.3.3.2 White paper and workshop documentation for capacity building.
- Discussion of ownership of the final solution; letters of commitment from project partners will be collected accordingly.
- Planning for upcoming transnational workshops and final events (potential locations: Genova, Düsseldorf, Dresden, Ljubljana).

5.3. Conclusion

The workshop successfully brought together partners and stakeholders to evaluate the project's progress, exchange technical knowledge, and jointly plan for the next phase under WP3.



6. Feedback from Stakeholders and Experts

Name: Inspectiondrone SRL

Country: Italy

Contact person: Marco Rimondi

Phone, e-mail: +393356280815; marco.rimondi@inspectiondrone.it

Website: www.inspectiondrone.it

How is the condition of the bridges in your network monitored? Please list the most common methods used.

We do offer an inspection service based on drone AI. We see two other methodologies: sensor and visual.

What are the most common problems of defects that lead to the degradation of the bridge network? Is leak-induced damage among them?

Cracking & humidity. This is enhanced by the missing maintenance program.

Would leakage sensors for detecting defects in bridge equipment be useful for identifying early-stage degradation?

It is one of the many solutions available.



Name: Inspectiondrone SRL

Country: Italy

Contact person: Marco Rimondi

Phone, e-mail: +393356280815; marco.rimondi@inspectiondrone.it

Website: www.inspectiondrone.it

What challenges do you face in maintaining and monitoring civil engineering infrastructure?

As service provider, my challenge is to convince Engineering Company to test new technology, tools and methods.

Which systems work well, and which are problematic?

I believe in a mix of solutions, rather than one solution fits all. Depending the age of infrastructure the solution might be different.

What features would improve monitoring and maintenance?

A digitalization methodology and simulation would be a step forward to improve monitoring and have a better maintenance planning.



Name: Slovenian motorway company (DARS)

Country: Slovenia

Contact person: Tomaž Slokan

How is the condition of the bridges in your network monitored? Please list the most common methods used.

The condition of the bridges is monitored by regular and main inspections. We also have a structural health monitoring on one bridge.

What are the most common problems of defects that lead to the degradation of the bridge network? Is leak-induced damage among them?

The most common problems of the bridge are delamination, corrosion, cracks and leakage.

Would leakage sensors for detecting defects in bridge equipment be useful for identifying early-stage degradation?

It could be useful for some special important bridges where we would have strategy to keep the bridge on the highest condition level.

Can you estimate the costs in € caused by moisture and the potential savings in time, resources, and money with early leakage detection?

It is difficult to estimate that type of costs.

