

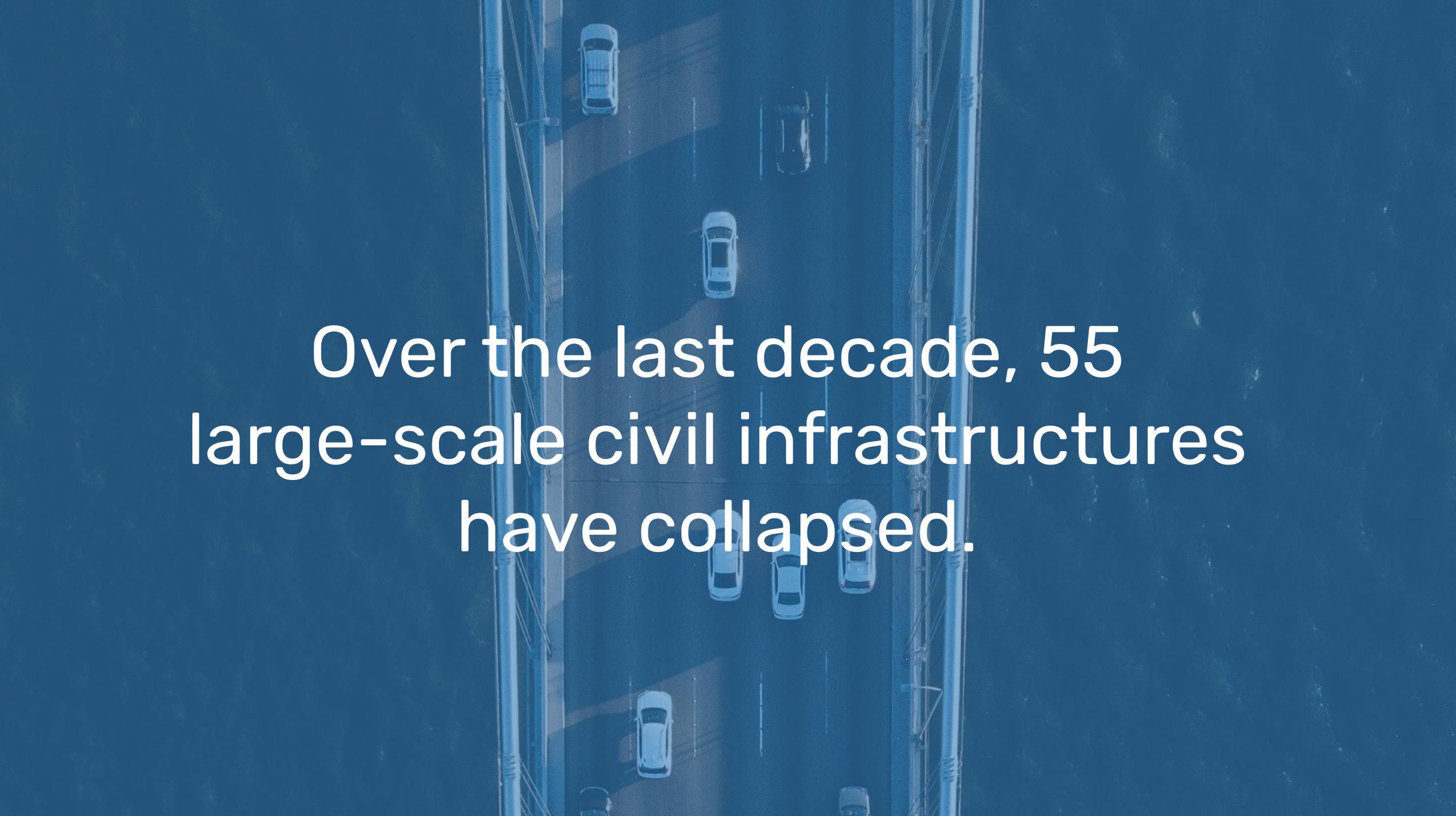
WORLD  SENSING

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# Press Guide



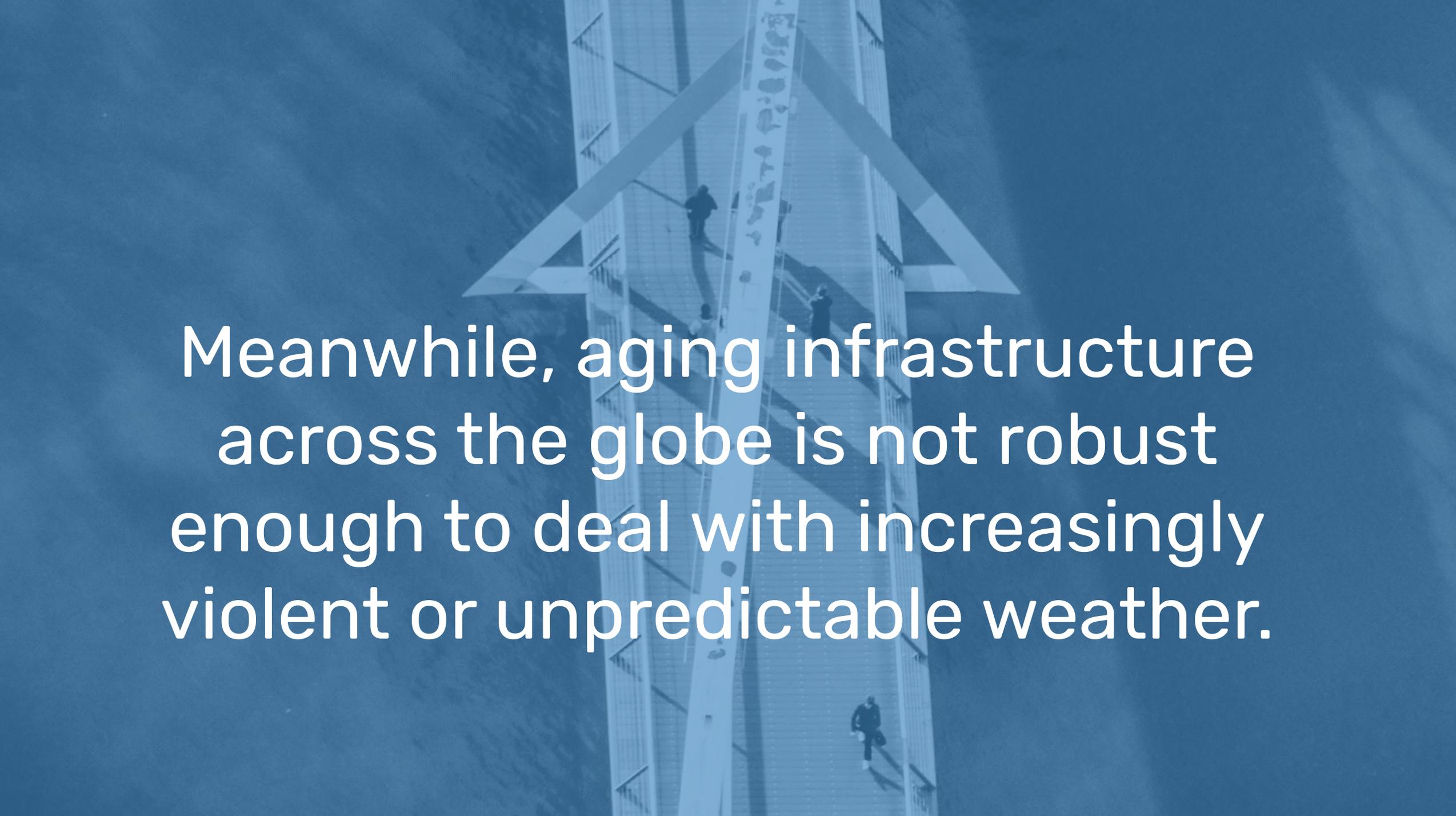


An aerial photograph of a multi-lane highway with several cars driving, overlaid with a blue tint and white text. The text is centered and reads: "Over the last decade, 55 large-scale civil infrastructures have collapsed."

Over the last decade, 55  
large-scale civil infrastructures  
have collapsed.



By 2025, it's estimated  
climate change  
will have caused  
a \$250 billion loss in assets.



Meanwhile, aging infrastructure across the globe is not robust enough to deal with increasingly violent or unpredictable weather.

WORLD  SENSING

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# Monitoring large-scale civil infrastructure for a safer and more resilient world



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# About Worldsensing

Worldsensing is a global IoT pioneer. Founded in 2008, the infrastructure monitoring expert serves customers in more than 70 countries, with a network of global partners to jointly drive safety in mining, construction, rail and structural health.

Worldsensing is headquartered in Barcelona and has a local presence in the UK, North and South America, Singapore, Australia and Poland. Investors include Cisco Systems, Mitsui & Co, McRock Capital, ETF, Kibo Ventures and JME Ventures.

# The Infrastructure Monitoring Expert

Worldsensing connects critical and civil infrastructure to the Internet of Things.

We measure how geotechnical, geospatial and structural conditions influence the structural integrity of tunnels, bridges, dams, historical landmarks, among others.

## MONITORING EXPERTISE

Geotechnical

Geospatial

Structural





## Ignasi Vilajosana

CEO and co-founder

Ignasi Vilajosana holds a PhD in Physics and is ranked among the top 100 leaders of tomorrow chosen by the Spanish Choiseul Foundation.

With more than 10 years of experience in the IT and geophysics sector, the serial entrepreneur has a strong background in all stages of start-up founding, development, and growth and has helped build Worldsensing into a leading Industrial Internet of Things provider.

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"More resilient infrastructures are key for making our lives safer, especially in the light of climate change. Real-time monitoring solutions are an important element of early warning systems, they enable decision makers to take data-based actions and to comply with regulations and ESG guidelines."



**Ignasi Vilajosana**

CEO & Co-founder



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# Worldsensing Experts

## Juan Perez

Head of  
Instrumentation & Monitoring

Juan Perez is a recognized expert for wireless, IoT remote monitoring. Juan is a geotechnical engineer with more than 15 years' experience and knowledge of geotechnics with a focus on data acquisition systems and low-power wide area networks.

Prior to joining Worldsensing, he worked at the engineering services firm Ingauss and the bridge structure specialist MK4.

## Andrea Bartoli

CTO

Dr. Andrea Bartoli is an expert in industrial IoT, low-power wide area networks and other advanced technologies.

He was awarded a doctorate in telecommunications engineering cum laude by the Centre

Tecnològic de Telecomunicacions de Catalunya for his work on the MAESTRO “machine-to-machine and embedded systems security protocol suite” project.



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"When comparing wireless monitoring with collecting data manually, IoT remote monitoring is the most cost-effective option if you want to receive monitoring data frequently. Even if you only opt to acquire data every week or bi-weekly."

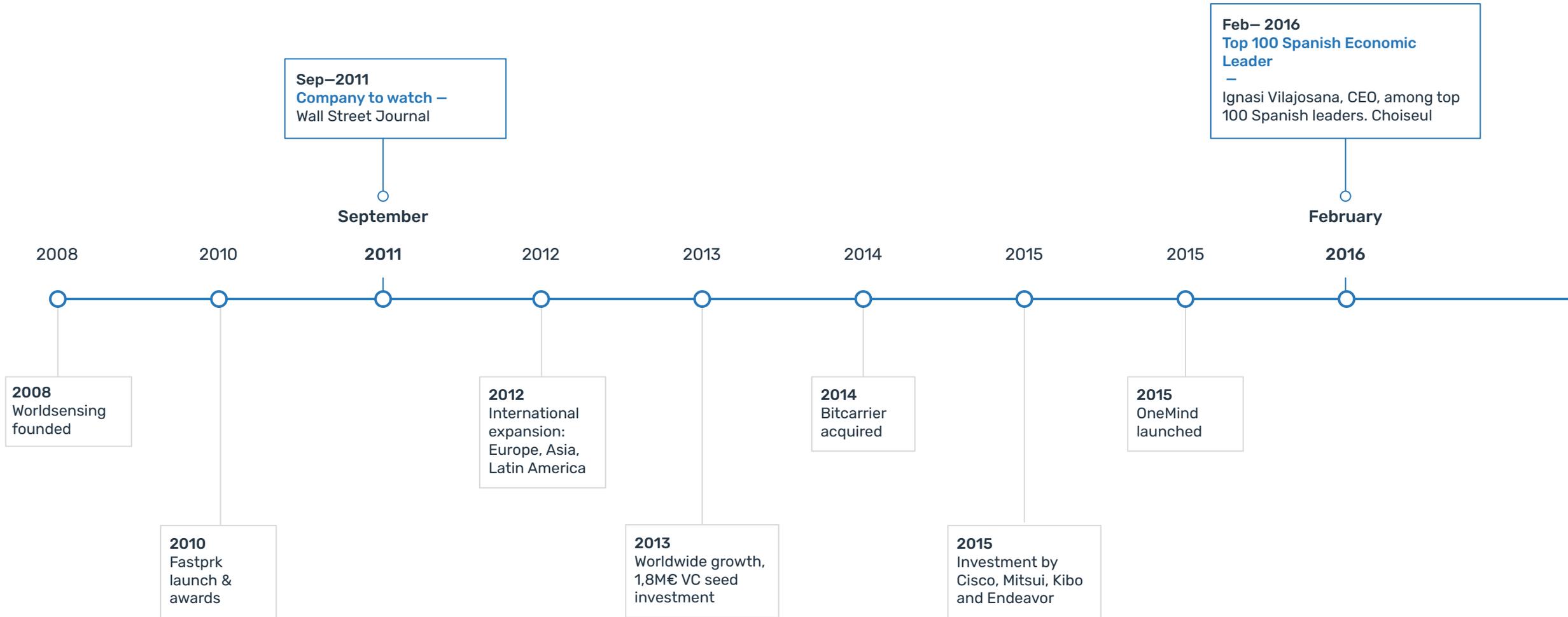


**Juan Pérez**

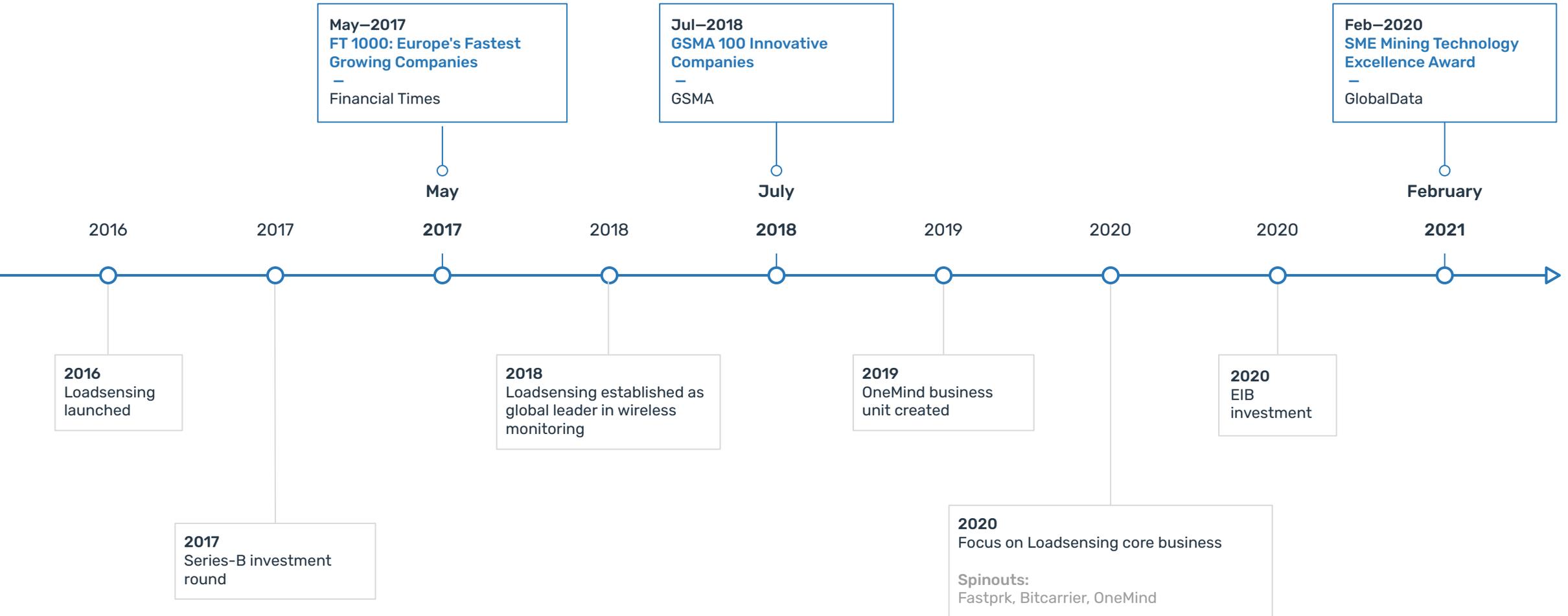
Head of Instrumentation  
& Monitoring



# Worldsensing History Timeline



# Worldsensing History Timeline



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# Highlight of Awards

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Worldsensing named  
Best SME

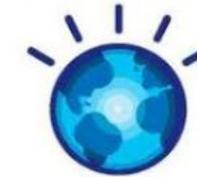
2020



Winner of Stockholm  
Smart City Living Labs  
Global Award

2011

IBM SmartCamp



Winner of IBM London  
Smart Camp

2010



Worldsensing named  
Global Smart City Player



Ignasi Vilajosana  
Chosen as Spanish  
Endeavor Entrepreneur



Worldsensing CEO  
Nominated in TOP of  
100



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# About our Monitoring Solution

The solution by Worldsensing is globally leading for monitoring large-scale civil infrastructure through IoT remote technology. It enables near real-time data acquisition of geotechnical, geospatial and structural sensors as well as remote device, data and network management.

Engineers and experts tasked with civil infrastructure monitoring can now capture sensor data through Worldsensing edge devices and send information to the cloud for 24/7 connectivity management. With over 3,000 network deployments connecting over 170,000 sensors around the globe, Worldsensing's solution has rapidly become the monitoring standard within industries such as mining, construction, and rail.

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# Worldsensing Key Success Stories

The trusted partner for monitoring large-scale critical infrastructure projects.



- HS1 and Crossrail - UK
- [U5 Metro Line](#) - Germany
- Roslagsbanan Railway - Sweden
- [Grand Paris Metro](#) - France
- [Fornebu Metro](#) - Norway
- [Eppenbergtunnel](#) - Switzerland
- Phosphate mine - Brasil
- [Olešná and Slezská Harta dams](#) -Czech Republic
- [Boddington Mine](#) - Australia
- [Atacama desert copper mine](#) - Chile
- [Boliden Aitik mine](#) - Sweden
- [Assyakirin concrete dam](#) - Malaysia
- [Gediminas' Tower](#) - Lithuania
- [Ponte Vecchio](#) - Italy

# Diversity and inclusion

20+

**nationalities.**

With employees from 25 countries, cultural diversity is a well established part of Worldsensing.

21%

**women in leadership.**

The share of women in management positions has increased over the years to 21.4%.

45%

**working parents.**

Worldsensing empowers its people and their potential by embracing a work-life balance.

36%

**of partners located in emerging markets.**

This reflects Worldsensing's International reach in emerging, developing and frontier markets as well as how we operate.



# 12 ways we focus on sustainability



1. We are promoting the use of our technology to address four of the **United Nation's sustainable development goals**, including improvements in affordable and clean energy and building resilient infrastructure.
2. We are also **involved in the European Union-funded [Greenedge project](#)**, which seeks to **promote, design and implement more energy efficient edge computing systems** (Grant Agreement 953775).
3. We are a **member of the European Institute of Innovation and Technology [EIT RawMaterials group](#)**, which aims for sustainable development of the raw materials sector.
4. We are working in the European Union-funded [Harvestore project](#) to **explore energy harvesting and storage into Worldsensing devices** (Grant agreement 824072).
5. Our investors include ETF Partners, a European fund investing in companies delivering **sustainability through innovation**.
6. Our **wireless technology helps cut waste** by reducing the need for cabling in critical and civil infrastructure monitoring.



# 12 ways we focus on sustainability



7. We are committed to using more **sustainable packaging and reducing packaging** where possible.
8. Our **devices are designed for low power consumption**, extending battery life for up to a decade.
9. Our devices can also be powered by external **renewable energy** sources such as solar panels.
10. We are looking to further **reduce the power requirements** of our products where possible.
11. We have publicly committed to the terms of the **European Green Deal**.
12. We are looking at ways to improve **electronic device waste disposal**.





# Sustainable by Design

WORLDSENSING

We are backed by investors who believe that our wireless, low-power technology promotes sustainability and drives corporate social responsibility.



Cable-free.



Reduced  
technology  
stack.



Low-power,  
long life.



Alternative  
power  
sources.



No  
digging.



Wireless  
monitoring of  
environmental  
indicators.



Supporting  
UN  
Development  
Goals.

# Welcome to Worldsensing

We have a passionate, tight-knit team hailing from more than 20 countries. Our people have extensive backgrounds in civil engineering and industrial IoT.

## Our Team

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October 2022, Barcelona, Spain.

## Executive Team

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From left to right: Managing Director, David Deprez; CEO, Ignasi Vilajosana.

# Engineers for Engineers

Our Customer Success Team is comprised of geotechnical monitoring consultants and subject matter experts for mining, construction, rail and structural engineering.

## Customer Success Team

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Back: (left to right): Maria Navarro, Gaizka Barrio, Angela Lluch.  
Front: (left to right): Eduardo Muñoz, Juan Perez, Carmen Espino, Victor Salinas.

## Support Engineers

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## Application Engineers

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# Consult our Experts

Our IoT Remote Monitoring sales, customer success and technical support teams are at your disposal to make your monitoring project a success.

## Sales Team

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Back (left to right): Arnau Carbonell, Blaine Tait, Matthieu Laville, Patrick Pang  
Front (left to right): Fernando Perez, Yvan Bonnin, Kelsey Kidd, Matt Azzopardi and Sam Buckley  
Not in this picture: Cameron Clark, Elmer Tangco, Leonardo Vidigal, Matthew Winslow,  
Marko Hrescak, Michael Edwards, Rafa Bardaji and Ricardo Cardoso

- Europe
- United Kingdom
- Africa
- United States
- Canada
- South America
- Asia
- Pacific



## Press Contact

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