

DuraMon

Structural corrosion monitoring solutions

To build and maintain smarter, cost-effective, safer, and more sustainable

www.duramon.ch





Today's standard: visual inspection



Picture: Ueli Angst, ETH

Today's standard: visual inspection



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Current inspection methods are insufficient to reliably detect damage

Today's standard: visual inspection

Repair too late



Repair too early



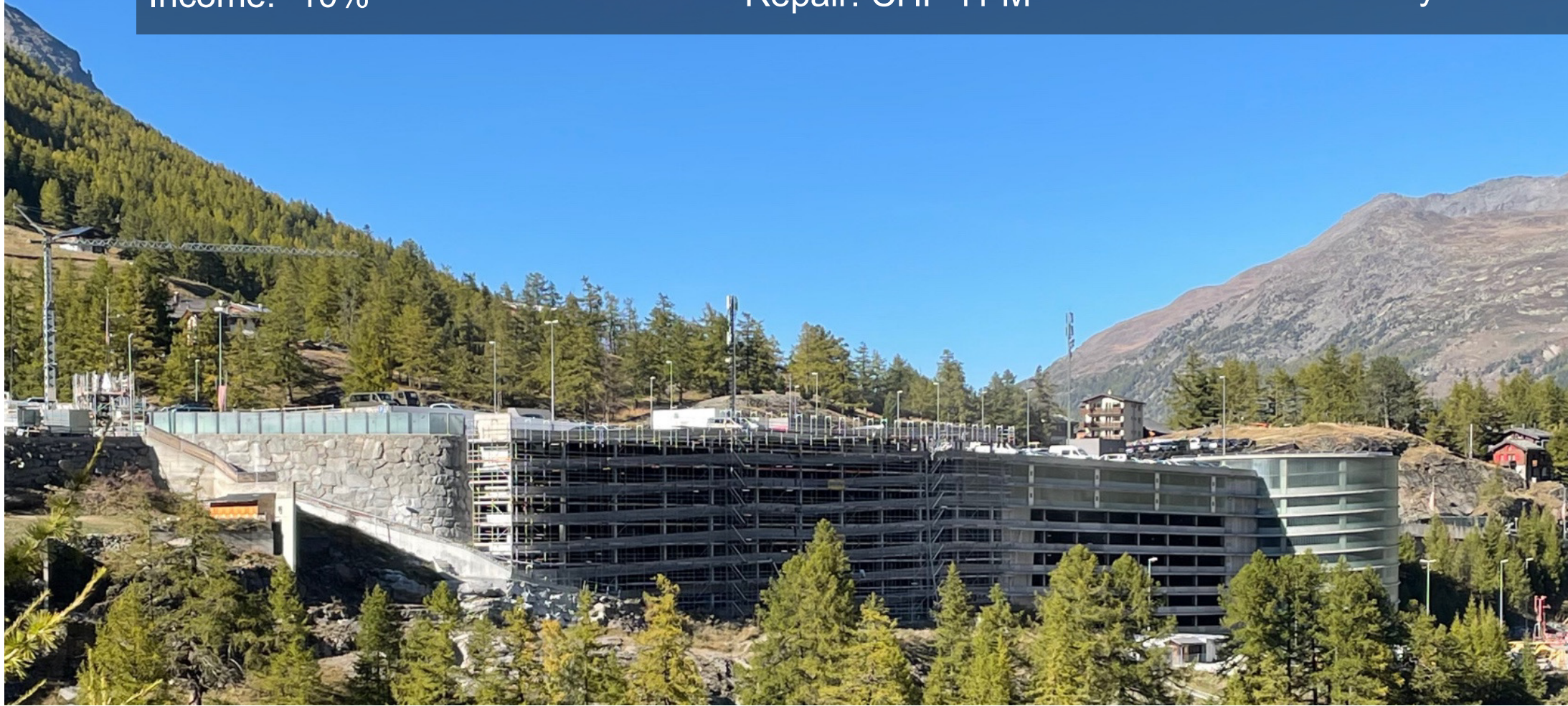
≈ CHF 2 Billion in CH and increasing

Parking Garage Saas-Fee (2019)

Income: -10%

Repair: CHF 11 M

Safety: ?



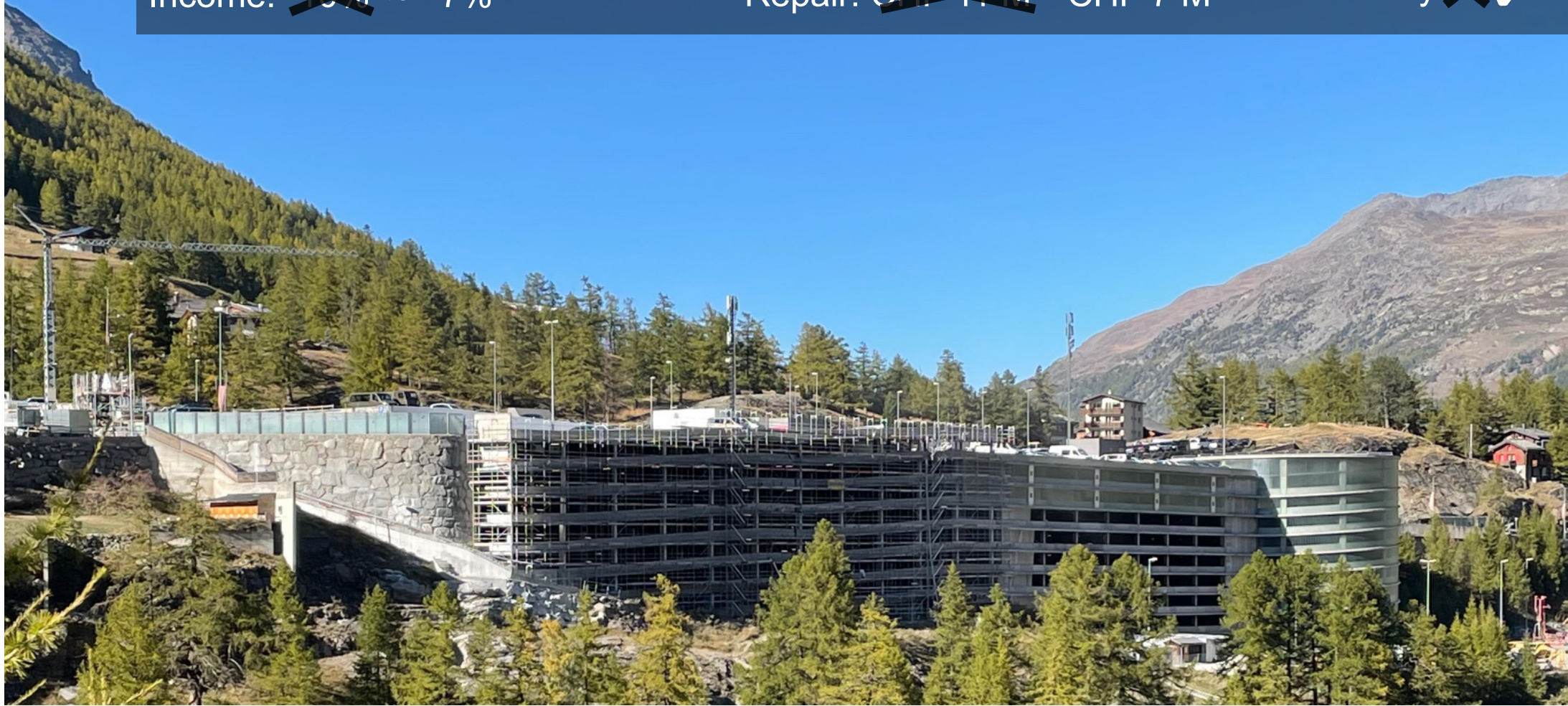
with DuraMon

Parking Garage Saas-Fee (2019)

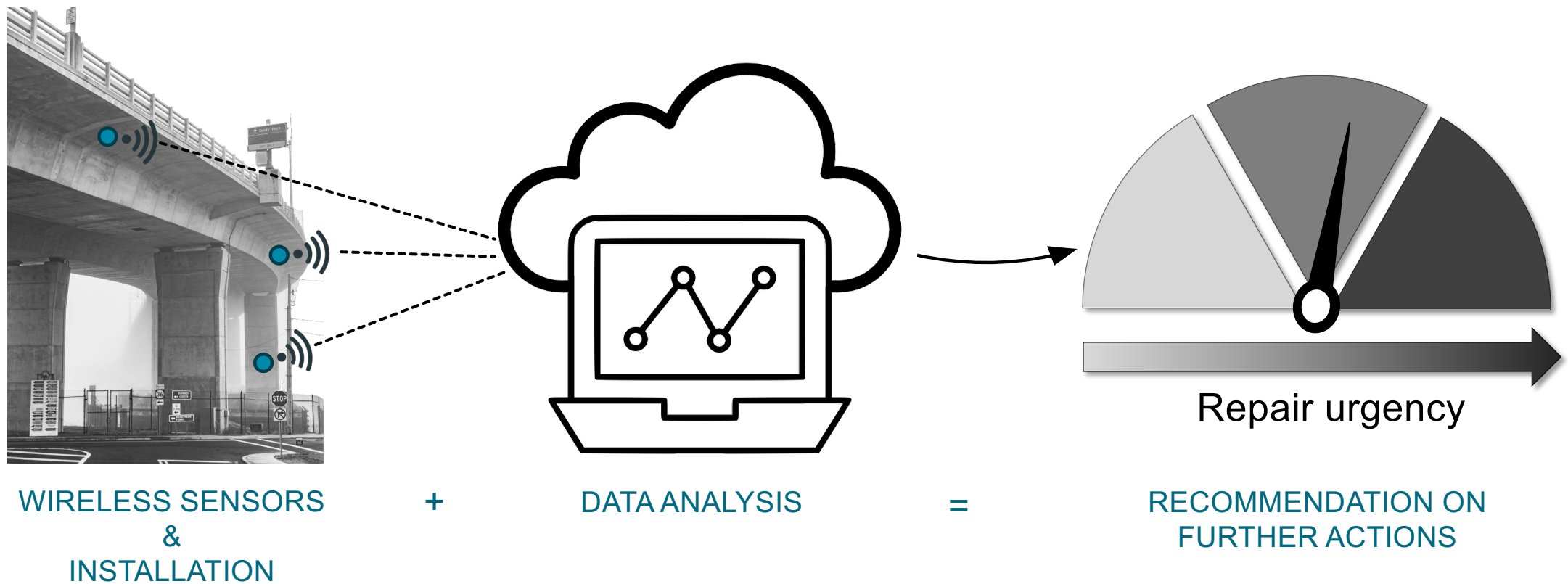
Income: ~~-10%~~ \approx - 7%

Repair: ~~CHF 11 M~~ \approx CHF 7 M

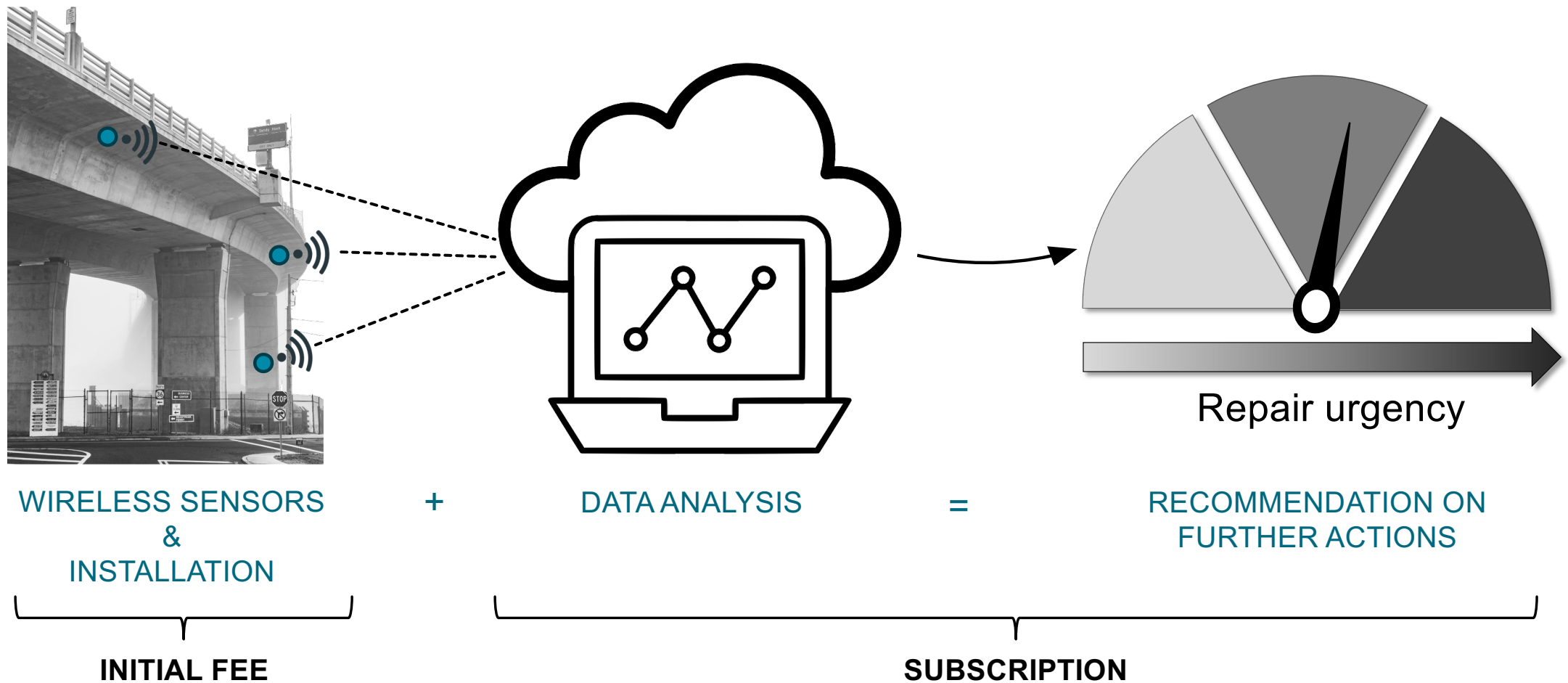
Safety: ~~?~~ ✓



More than a sensor: a complete solution



More than a sensor: a complete solution



Competitive landscape



Corrosion
onset

Corrosion
level

Information
accuracy

Durability

Recommendation
on further actions

Competitive landscape



	DuraMon	FORCE TECHNOLOGY	BS2 Sicherheitssysteme	corrodium	SENSORTEC GMBH	GIATEC converge concrete sensors
Corrosion onset	+++	+	+	+	+	-
Corrosion level	++	+	++	++	++	+
Information accuracy	++	-	-	-	-	-
Durability	+++	+	+	++	++	-
Recommendation on further actions	++++	-	-	-	+	-

Market opportunity



ADDRESSABLE
INSPECTION
MARKET

≈ CHF 70 M

≈ CHF 2 B

≈ CHF 10 B

MARKET
SHARE

≈ CHF 10 M

≈ CHF 200 M

≈ CHF 1 B

+ Many other applications
(e.g., construction companies,
construction chemicals suppliers)

Achievements and next steps



≈ CHF 30k

18 sensors

2019

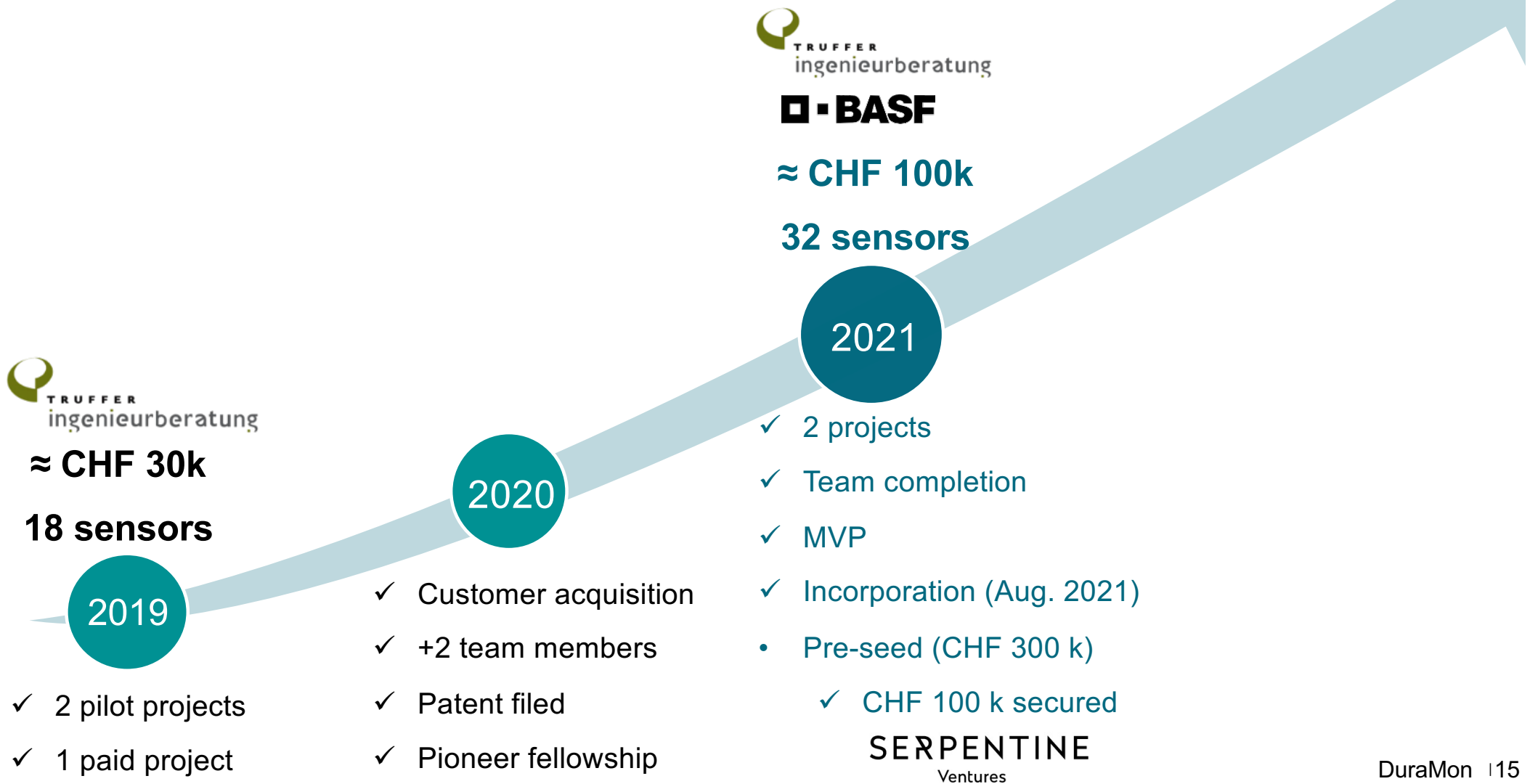
- ✓ 2 pilot projects
- ✓ 1 paid project

2020

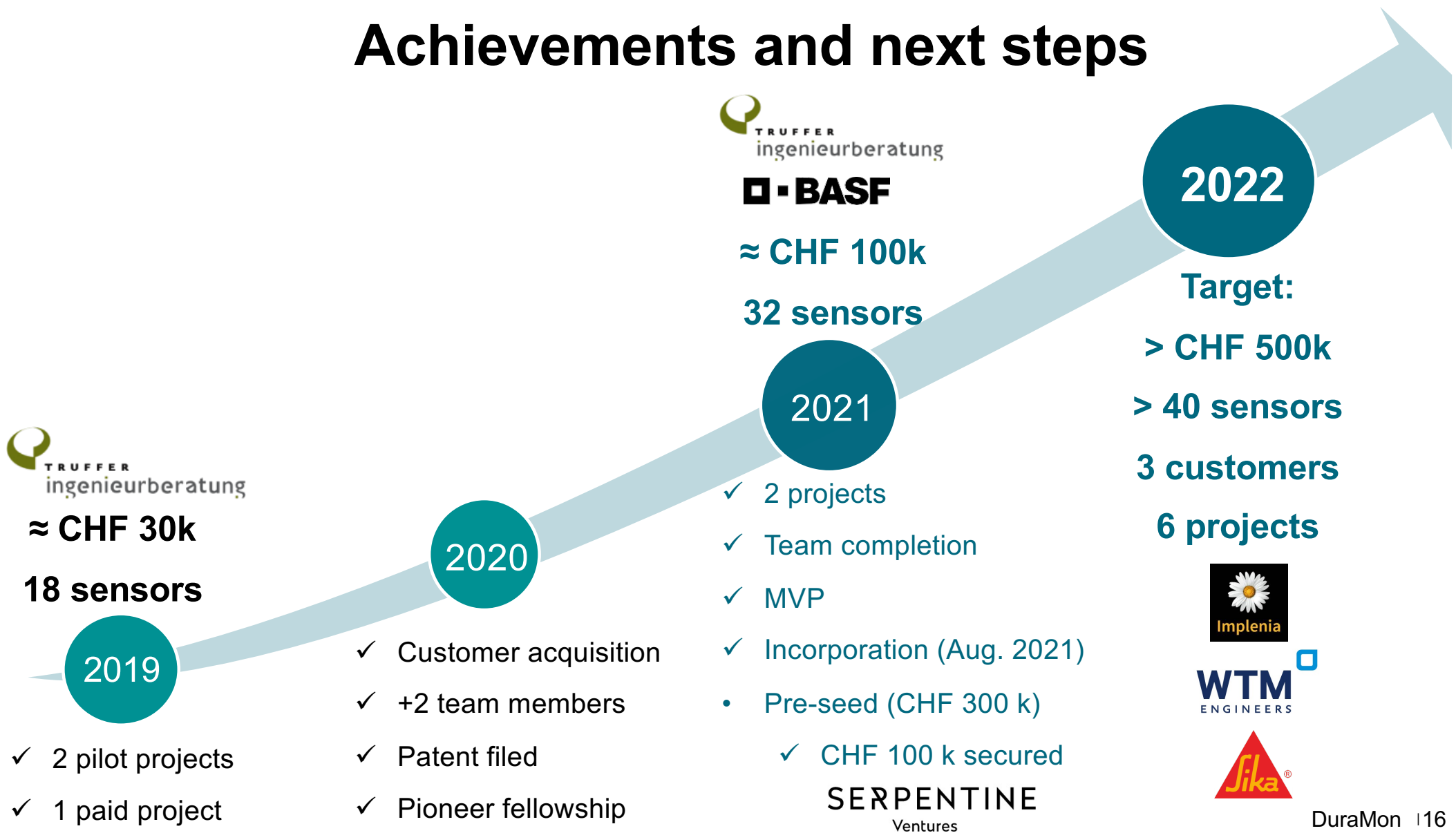
- ✓ Customer acquisition
- ✓ +2 team members
- ✓ Patent filed
- ✓ Pioneer fellowship

2021

Achievements and next steps



Achievements and next steps



The team



Dr. Yurena Seguí
Femenias

Co-founder
Technology inventor
Vision
Business strategy
Product development



Prof. Dr. Ueli
Angst

Co-founder
President of SGK
Scientific advice
Network



Dr. Fabrizio
Moro

Co-founder
+ 20 years at Holcim
Business strategy
Industry relations



Phillip
Häggi

Civil engineer
Sensors' installation
Product development



Nico
Canzani

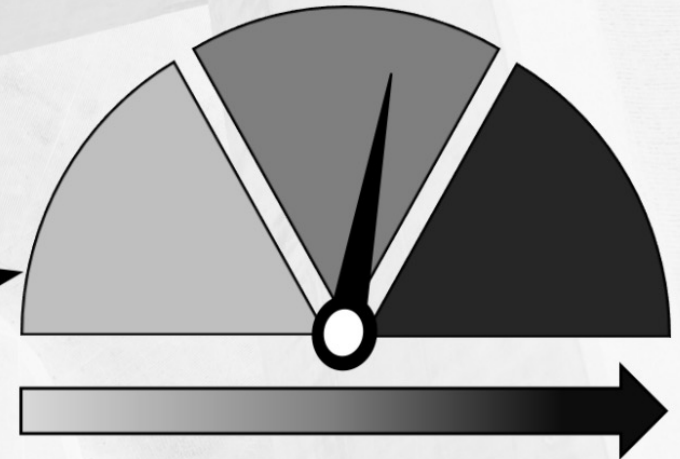
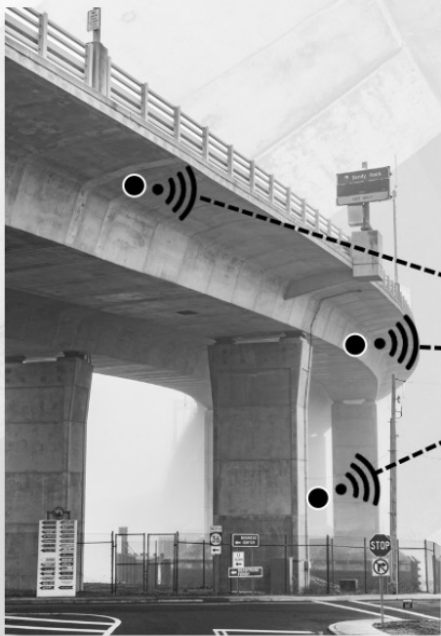
Electrical engineer
Data acquisition
Data transfer

ETH Spinoff “DuraMon”

Für weitere Information:

www.duramon.ch

yurena@duramon.ch



Repair urgency

WIRELESS SENSORS

+

DATA ANALYSIS

=

RECOMMENDATION