WE’RE ON THE EDGE OF AN URBAN REVOLUTION
THE FIRST TIME EVER
MORE PEOPLE LIVE IN CITIES
THAN ANYWHERE ELSE

GROWING GAP

GROWTH RATE

POPULATION

INFRASTRUCTURE

WE NEED SMARTER CITIES DESIGNED FOR PEOPLE

NOT FOR THROUGHPUT SPEED LEVEL OF SERVICE TRAFFIC
Data is central to how cities plan, build, monitor, and operate their infrastructure.
AND WE HAVE A REAL DATA SHORTAGE
GROWTH FORECASTS ARE MADE INCOMPLETE DATASETS
We need to know that we’re:

- looking at the **right data**, 
- asking the **right questions**, and
- interpreting the data **accurately**.
CASE STUDY
BIKE FRIENDLY CHICAGO
Today, 60% of riders won’t ride due to safety risk.

By 2020, Chicago will develop a 645-mile network of on-street bikeways.

Much of the infrastructure development is focused on Complete Streets projects.
FILLING THE GAPS TO REACH THE GOAL

Major gaps determined in current infrared and tube data collection tools.

- Lack of verifiable data.
- More multimodal data required.
- Crash and count data required.
- Need for safer tool deployment.
- Existing methods not working.
MAKE IT SAFER TO DEPLOY EQUIPMENT

“I felt that not only would the data be more accurate, but it would be safer for us that we’re not in the middle of the road trying to nail down a tube.”

Cindy Fish
Owner, Fish Transportation Group
FILLING THE GAPS IN THE NETWORK

It’s not only about volumes

Chicago used three types of data to determine cycling routes where riders faced the greatest exposure:

- Classified motor vehicle data
- Bike and ped data
- Crash data
500+ locations in two years.
100 focused in the downtown core.
Today, Chicago has more than **200 miles** of on-street protected, buffered and shared bike lanes.
Chicago is currently ranked as the #2 city for cycling in the United States.
For more information on Chicago and other Walkable and Bikeable City Info:

- Objection Handling
- Key Metrics to Measure
- Ped and Bike Masterplan Template
- Establish a Count Program
- Technology Overview

miovision.com/changemaker
ROADSIDE DATA COLLECTION IS TIME CONSUMING, BUT NECESSARY

IT’S OUR RESPONSIBILITY TO MAKE IT SAFE
TO MINIMIZE TIME IN FIELD
TO IMPROVE EFFICIENCY
TO REDUCE WASTE
Field set-up and Adjustments

Equipment Checks

Accidents or Construction

Unexpected Weather

Changing Data Requirements
CUT DOWN ON TIME IN THE FIELD

INCREASE SAFETY
Designed and built with a decade of engineering, quality assurance and experience under its hood.
Introducing SCOUT CONNECT ADAPTOR

Reduces time in field and adds cutting edge data collection technology to Scout.
GPS Receiver
Automatically locate Scout

USB Connection
Plug and play with Scout

LTE / 3G
Receive regular heartbeats from the field

WiFi Modem
Collect origin-destination and travel time data
SUCCESSFUL PROJECTS REQUIRE BETTER COLLABORATION
Introducing MIOVISION CENTRAL

Getting the data should be easier.
Connecting stakeholders should be simpler.
Now it is.
Introducing MIOVISION CENTRAL

Powerfully simple data reports, visualizations, and collaboration tools that underpin successful projects.
THANK YOU

Roman Prikhodko
Miovision