



HEXAGON

empowering an autonomous future

The sustainable society

Steven Cost | President, Safety & Infrastructure division

Kalyn Sims | CTO, Safety & Infrastructure division

Michael Ritter | President, Autonomy & Positioning division



Cities will grow by
2.5 billion people
by 2051



Siloed organizations



Data deluge



Data ownership



Complex crime



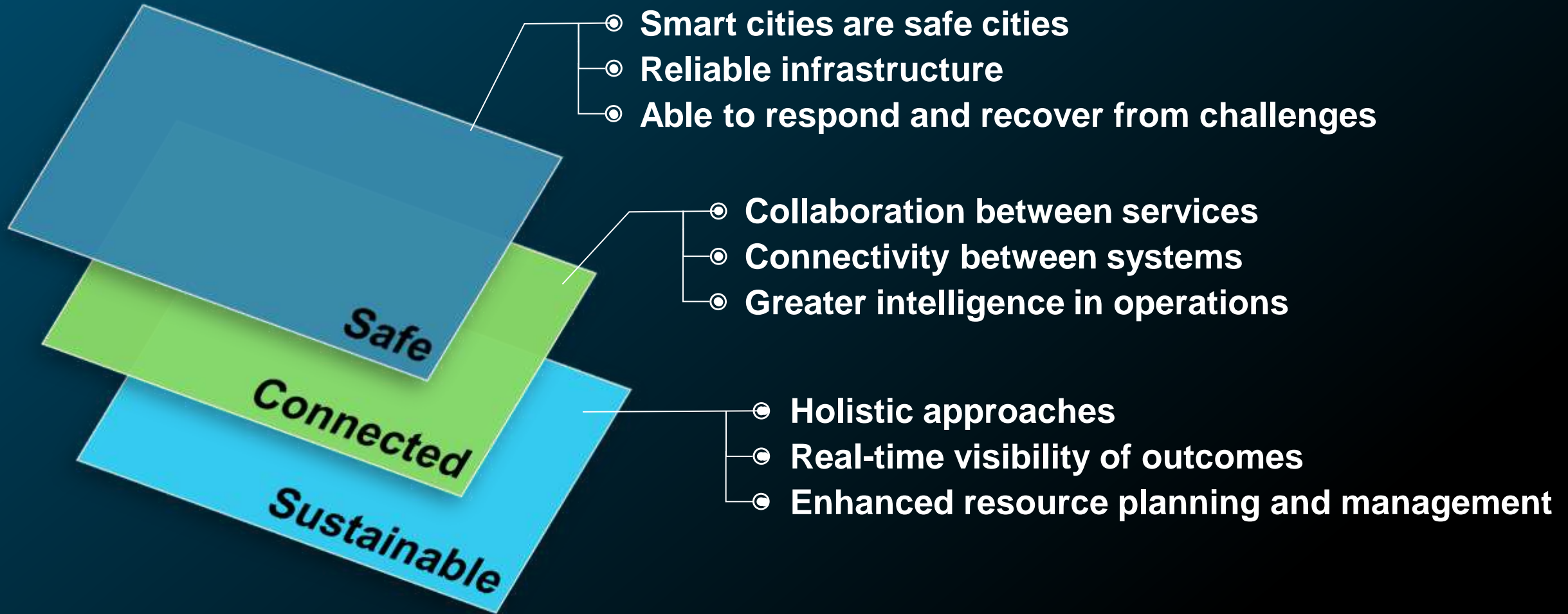
Cloud migration



3D location data



Digital transformation: Safe, connected, sustainable



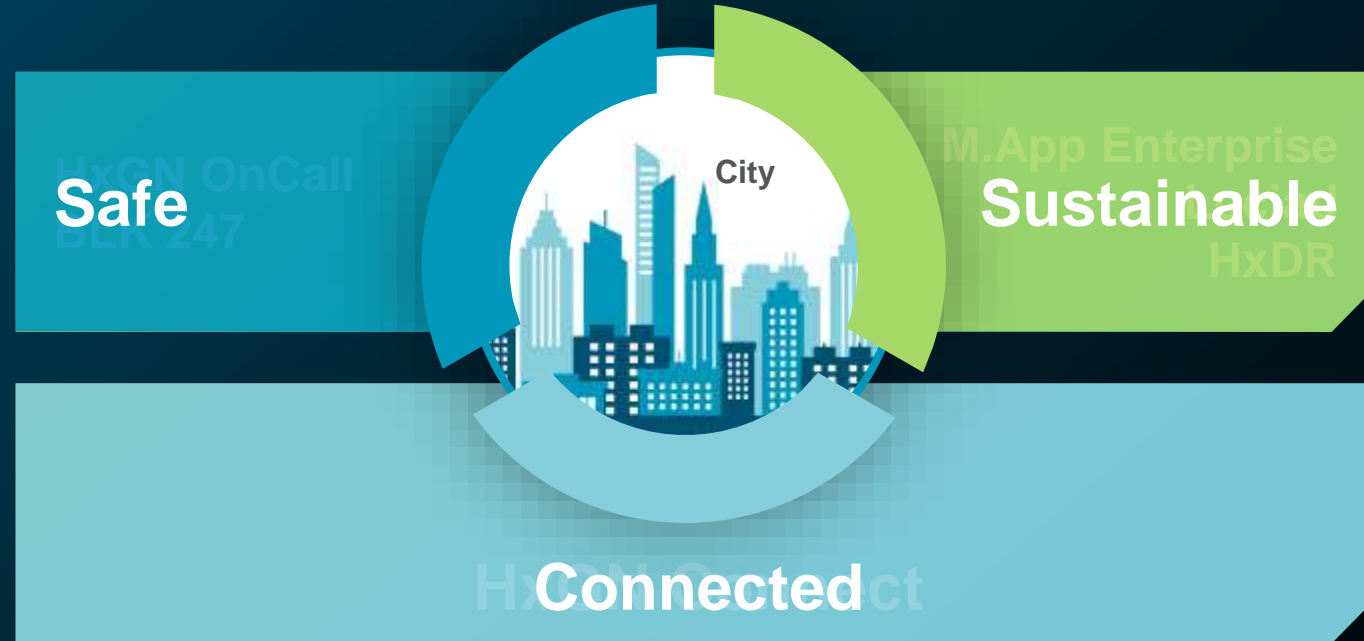
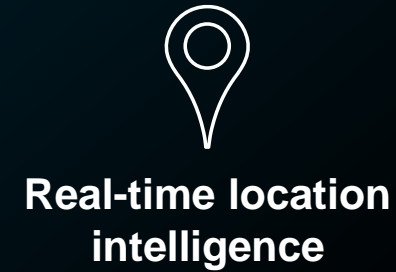
Digital Transformation

Hexagon powers autonomy



Safe

Sustainable



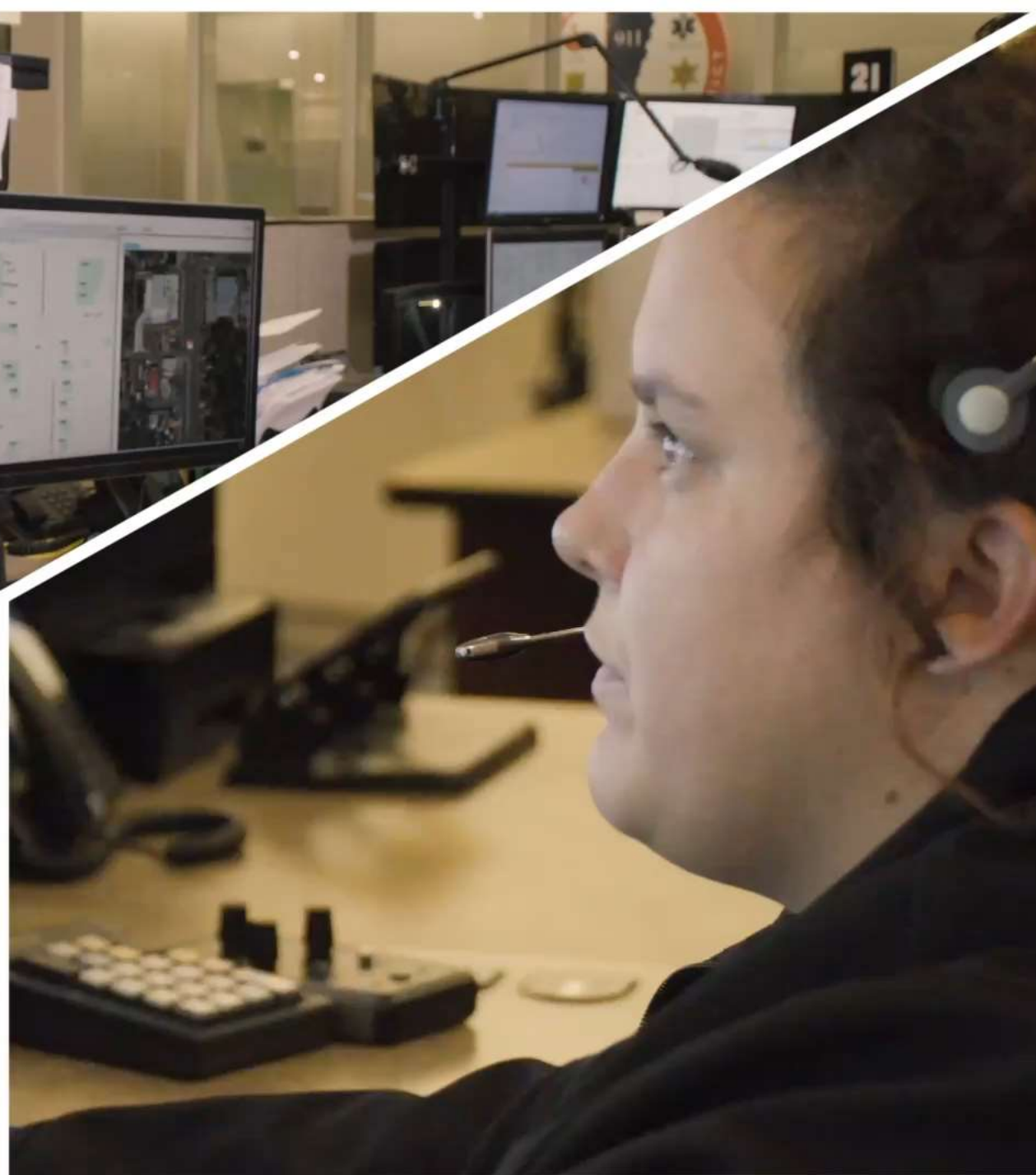
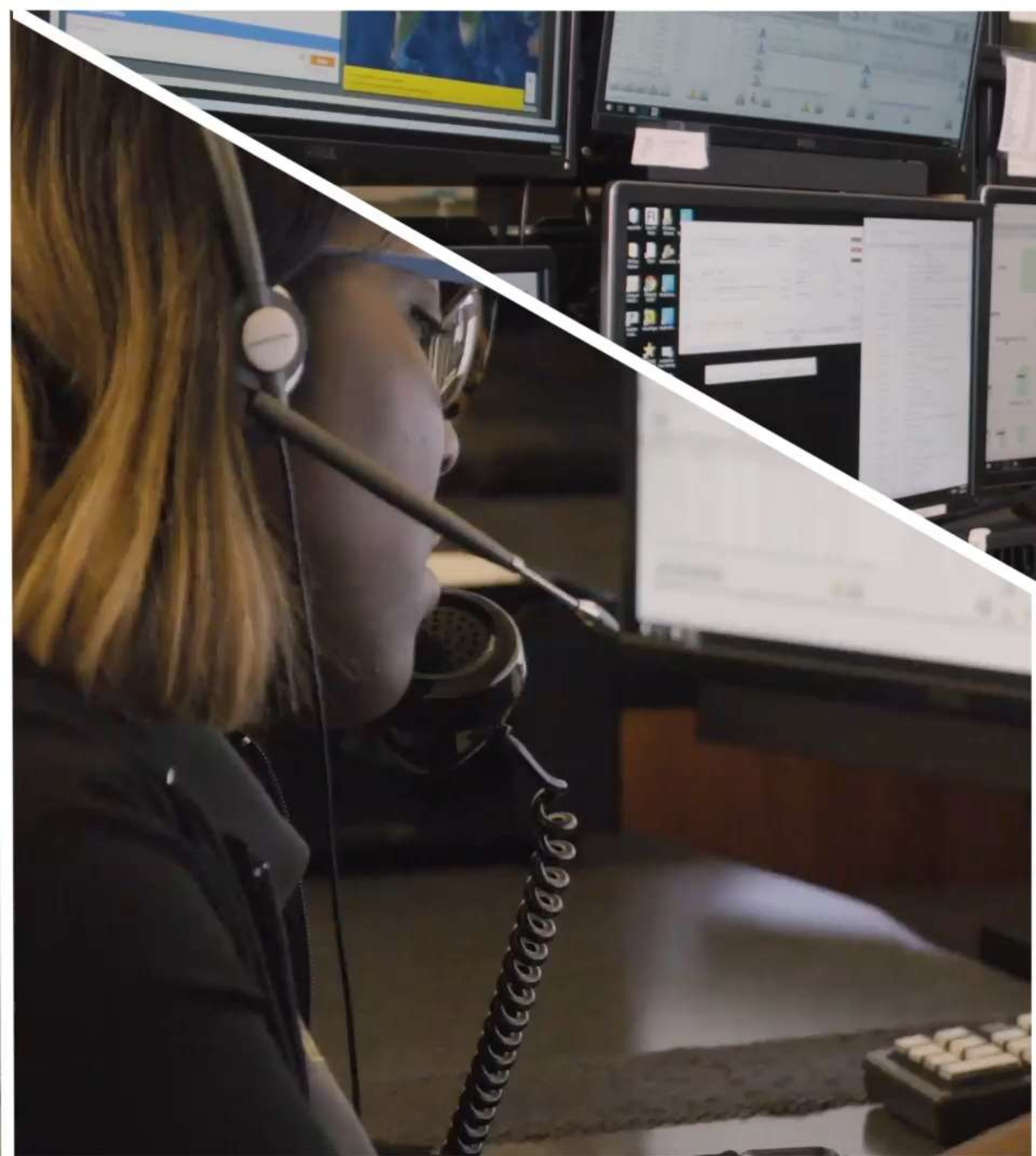


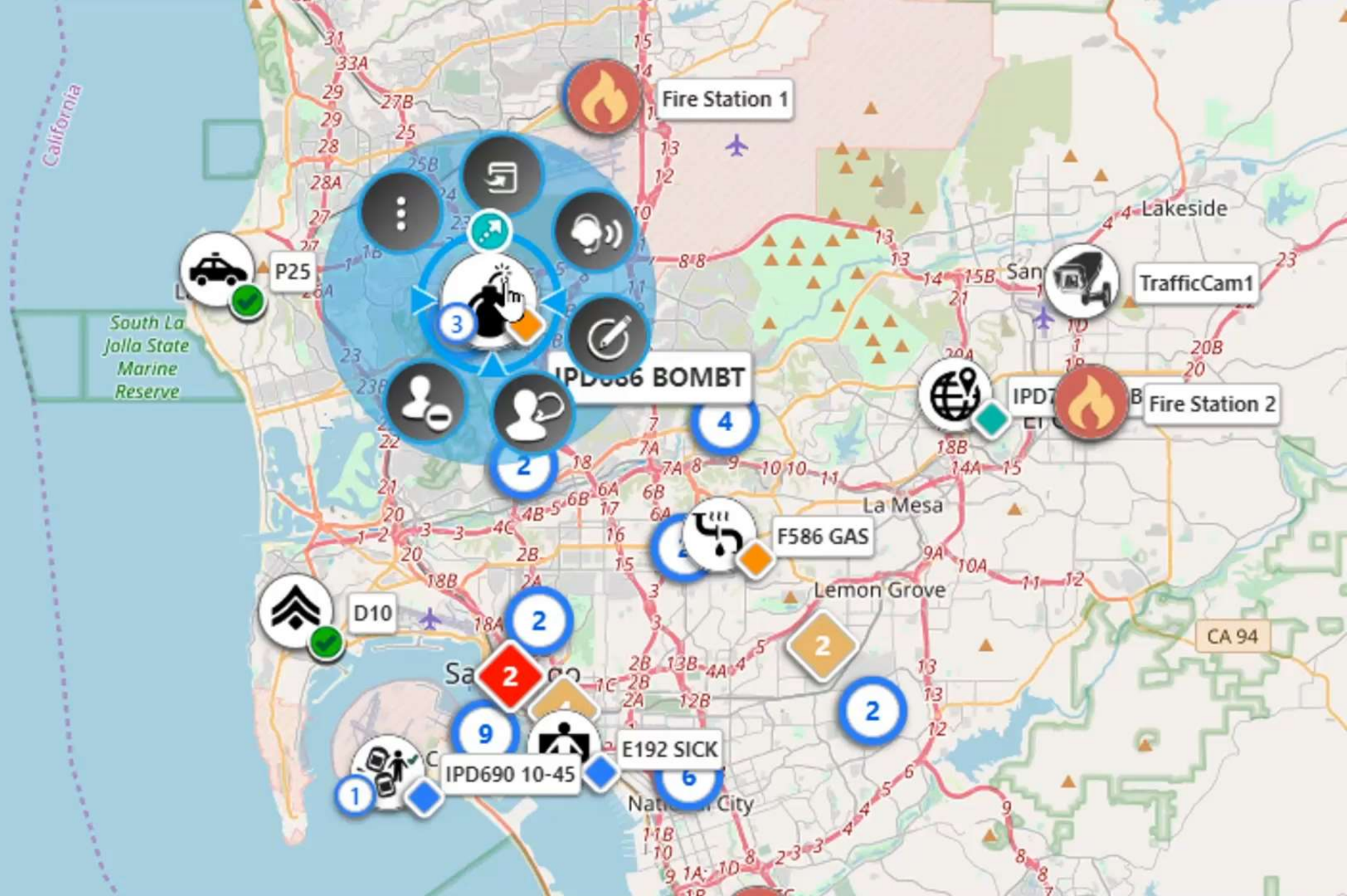
Safe cities



Safe cities







×

rows: 2 

Created time	Type	Event ID	Agency ID	DGroups
01/21/2021 13:40	RULE		POLICE	
01/21/2021 14:33	SIMILARITY	P184	POLICE	SW

Share Add to Supp Info

×

SIMILARITY DETECTED



Similarities were found in the event **P184**

Current event:



P184
LL(34.719909, -86.619196)

01/21/2021 13:50

01/21/2021 13:50
A young Caucasian person in a camo jacket is standing
by the bus stop shouting obscenities at pedestrians.
There is a teardrop tattoo on their face.

Similar events (2):

VERY SIMILAR



P183
LL(34.719651, -86.6071)

01/21/2021 13:40 x7

01/21/2021 13:40
Man stabbed at bus stop. Caller described Caucasian person with tattoo on face as possible suspect. Victim is stable at the moment.

SIMILAR



P130
LL(34.713502, -86.664752)

01/20/2021 17:00 x7

01/20/2021 17:00
Suspect is described as a young Caucasian man wearing a green camo jacket. He is standing at a bus stop shouting at pedestrians.





Connected cities



Connected cities

HxGN Connect

The possibilities are endless



HxGN Connect

The possibilities are endless



HxGN Connect

The possibilities are endless



HxGN Connect

The possibilities are endless



HxGN Connect

The possibilities are endless





TABBED SPACE


<


Incident List (2)


Unit List (17)


Device List (7)


>




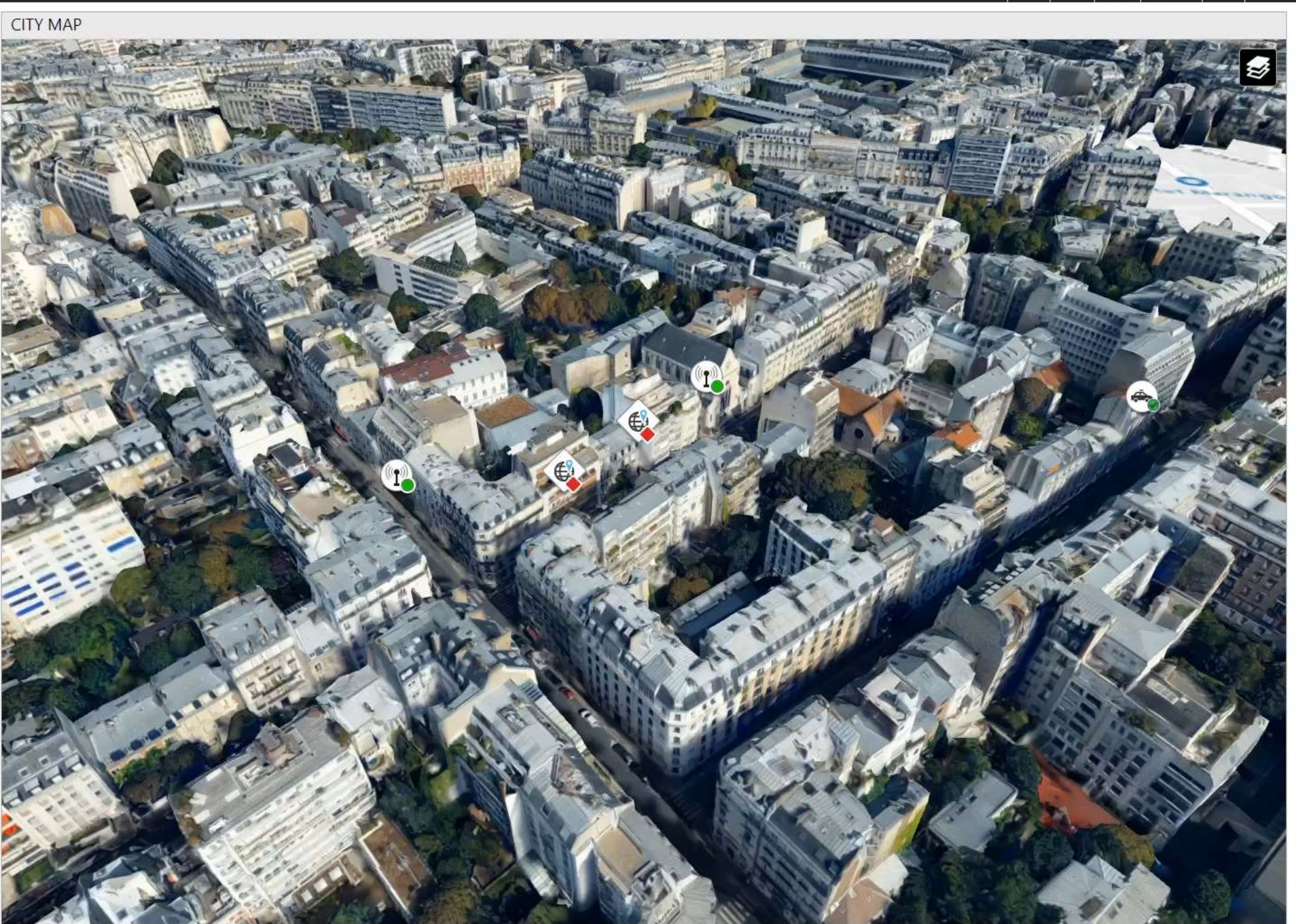




**Gas explosion - Now**
32 Rue Cortambert, 75116 Paris

**Car accident - Now**
26 Rue Cortambert, 75116 Paris





CITY MAP

Device List (7)



Securely collaborate with other organizations, see updates from their products, and associate incidents, units, and assets.

- Overview
- Privacy Settings
- Invite Organizations (Optional)

×



* Name

--

Color



* Location

26 Rue Cortambert, 75116 Paris

Cross Street 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Cross Street 2



CHANNEL LIST

Search Channels

+

 Create New Channel

A Traffic Accident

abc

Accident

Accident

Accident

Accident at boundry

Accident at crossing

Accident at Hyderabd

Alarm collaboration

Alarm Wayatinah dam spilling

Alert Event XYZ

Anglian

APCO

APCO

APCO

Assist

AUrora Demo

big prod update

Car accident and gas leak

Clear Lake

Car accident and gas leak

26 Rue Cortambert, 75116 Paris

START TIME

Today 1:20 PM

DURATION

3 Mins


Showing: Multiple Organizations

Post an announcement for the group

IOT sensors in the area of the accident have detected gas

Reply

Multicar accident resulting in injuries and damage to above ground gas regulator



Reply

Car accident

Incident associated with channel.

Reply

Channel Membership Update

Incidents (1)

Car accident - 7 mins

26 Rue Cortambert, 75116 Paris

Hexagon Sales Demo



TABBED SPACE


<ist (2)

Unit List (17)


Device List (3)

Asset >






BLK247-305 2N
Fencing Violation | 305 Intergraph Way, Madison,...



Gas detector
Gas detected

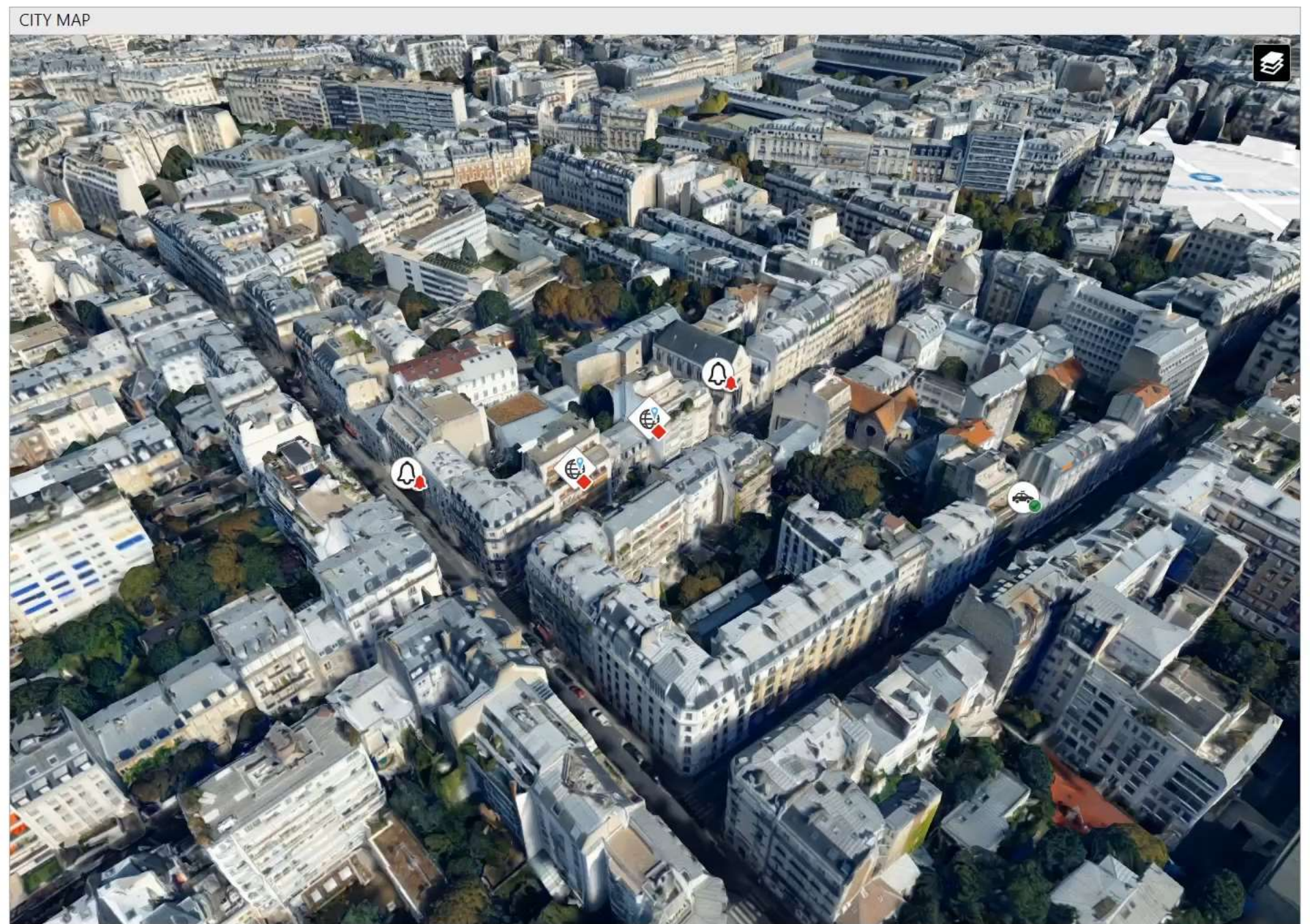


Gas detector
Gas detected









 Clear Lake





Sustainable cities

Sustainability is key to ensuring a city's future



Air quality

Sustainability is key to ensuring a city's future



Air quality



Environment

Sustainability is key to ensuring a city's future



Air quality



Environment



Parking

Sustainability is key to ensuring a city's future



Air quality



Environment



Parking



Transportation

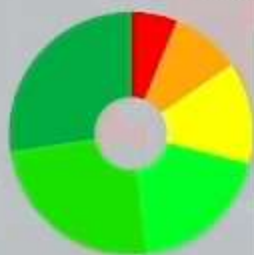






BATTERY

- 0% bis 25%
- 25% bis 40%
- 40% bis 60%
- 60% bis 80%
- 80% bis 99%
- NEW PLACED (100%)



PARKING

- RIGHT PARKED (97,1%)
- WRONG PARKED (2,9%)



AT THIS LOCATION SINCE

- < 2H
- 2H - 5H
- 5H - 10H
- 10H - 24H
- 1DAY - 2 DAYS
- 2 DAYS - 7 DAYS
- > 1 WEEK

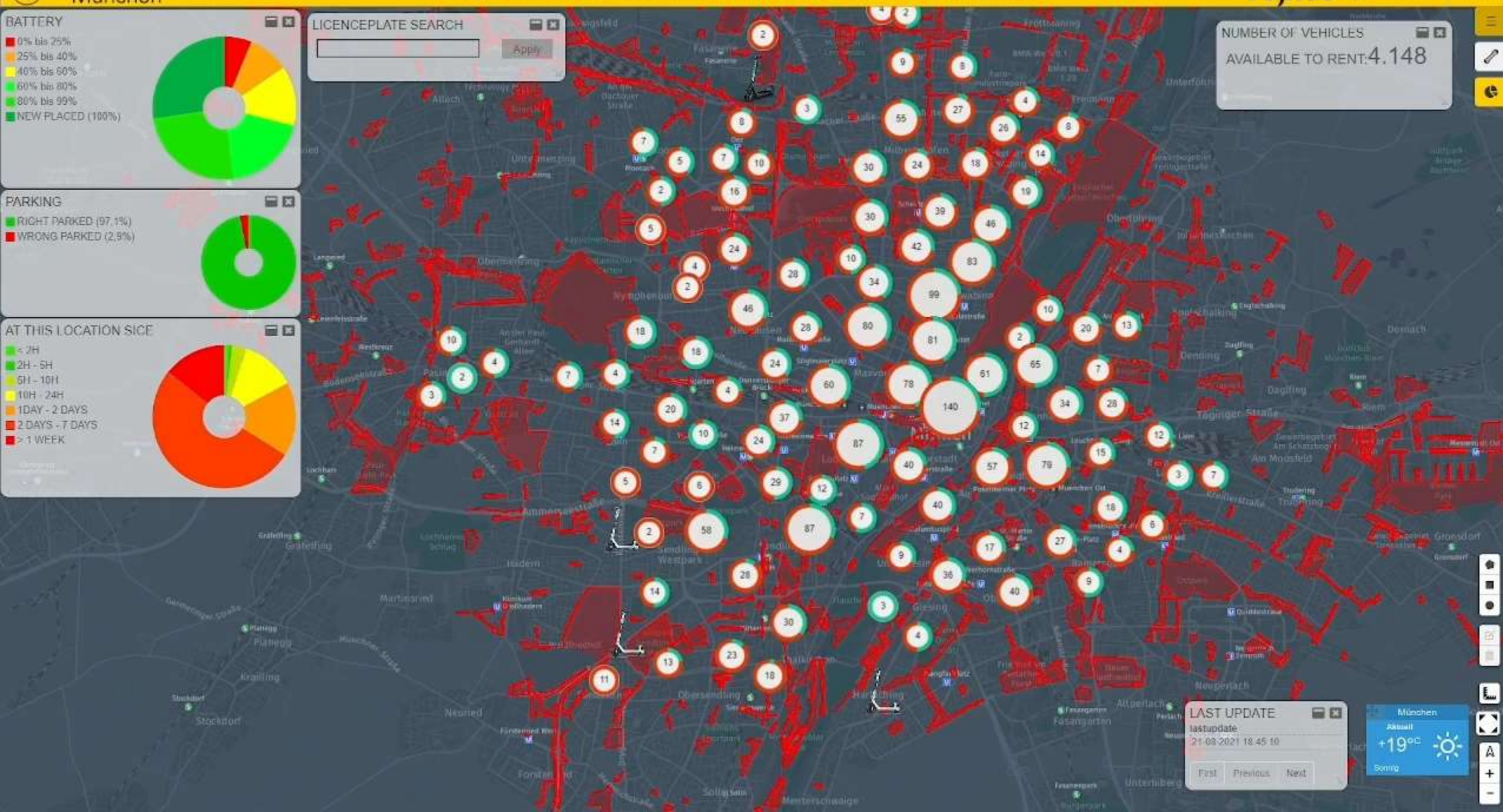


LICENCEPLATE SEARCH

Apply

NUMBER OF VEHICLES

AVAILABLE TO RENT: 4.148



LAST UPDATE

lastupdate
21-03-2021 18:45:10

First Previous Next

München

Aktuell
+19°C

Sonnig



BATTERY

0% bis 25%
25% bis 40%
40% bis 60%
60% bis 80%
80% bis 99%
NEW PLACED (100%)



PARKING

RIGHT PARKED (97,1%)
WRONG PARKED (2,9%)



AT THIS LOCATION SINCE

< 2H
2H - 5H
5H - 10H
10H - 24H
1DAY - 2 DAYS
2 DAYS - 7 DAYS
> 1 WEEK



LICENCEPLATE SEARCH

Apply

NUMBER OF VEHICLES

AVAILABLE TO RENT: 4.148

VEHICLE ID: 511877
COMPANY: TIER Mobility
VEHICLE TYPE: emoped
BATTERY: 38%
MAX SPEED: 20
ON THIS PLACE SINCE: -8 Tage
LICENCEPLATE: 323JEV

LAST UPDATE

lastupdate
21-08-2021 18:45:10

First Previous Next

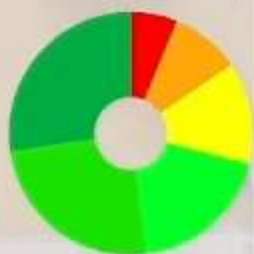
München

Aktuell
+19°C
Sommer



BATTERY

0% bis 25%
25% bis 40%
40% bis 60%
60% bis 80%
80% bis 99%
NEW PLACED (100%)



PARKING

RIGHT PARKED (97.1%)
WRONG PARKED (2.9%)

WRONG PARKED (2.9%)



AT THIS LOCATION SINCE

< 2H
2H - 5H
5H - 10H
10H - 24H
1DAY - 2 DAYS
2 DAYS - 7 DAYS
> 1 WEEK



LICENCEPLATE SEARCH

Apply

2

NUMBER OF VEHICLES

AVAILABLE TO RENT: 4.148

LAST UPDATE

lastupdate
21-08-2021 18:45:10

First Previous Next

München

Aktuell

+19°C

Bönnig



Hexagon solutions extend beyond cities



Hexagon solutions extend beyond cities





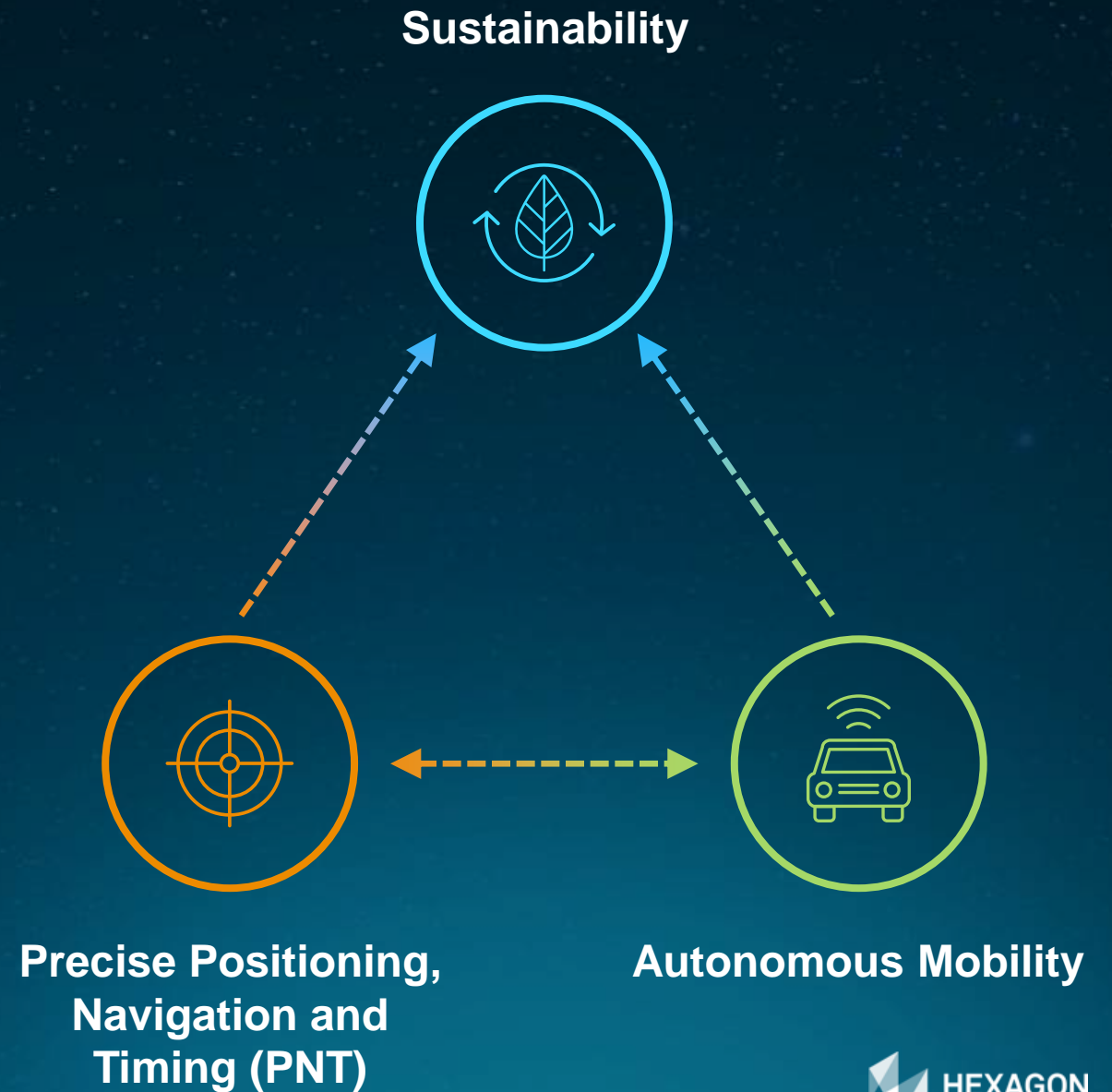
“

**You can make money with
autonomy!”**

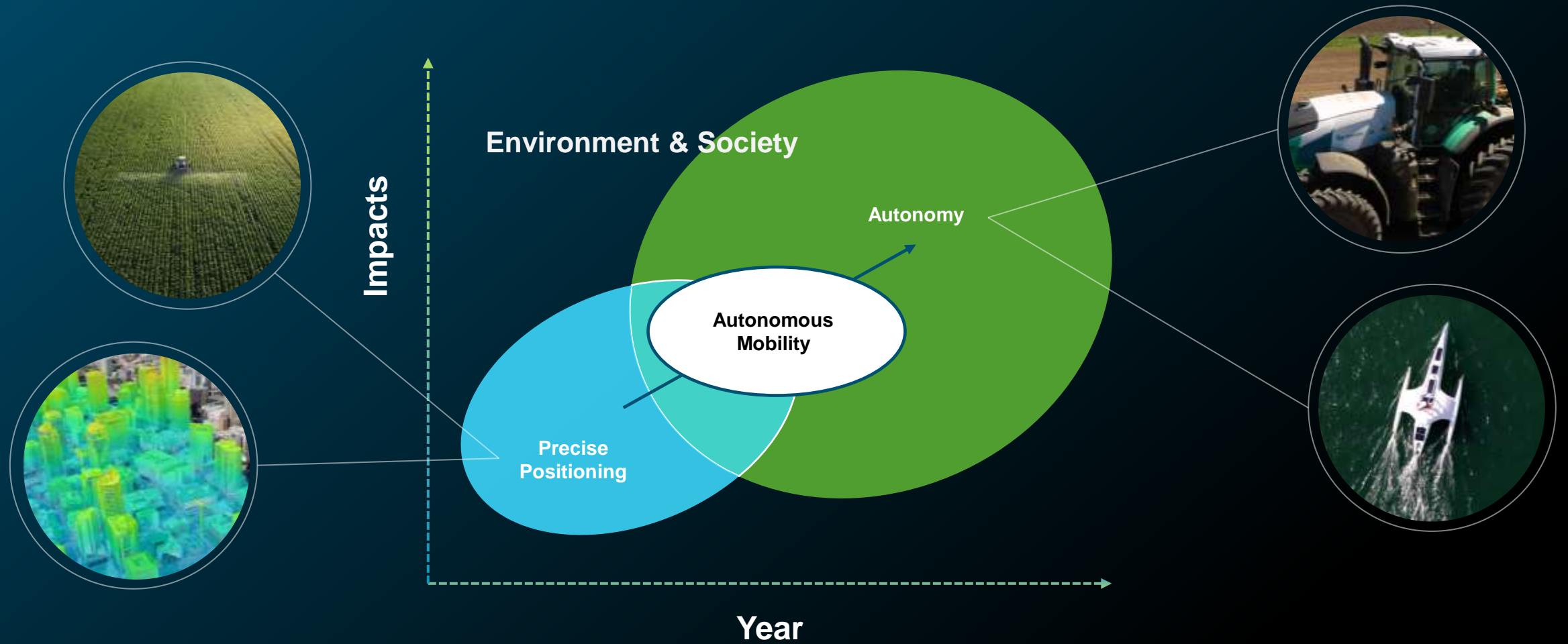
- Michael Ritter

Technological foundation for sustainability

- » Autonomous mobility enables sustainable solutions
- » Precise positioning enables autonomy
- » Precise positioning protects critical infrastructure required for sustainability



Positive impact on the environment and society grows over time



Autonomous mobility on the road and off the road

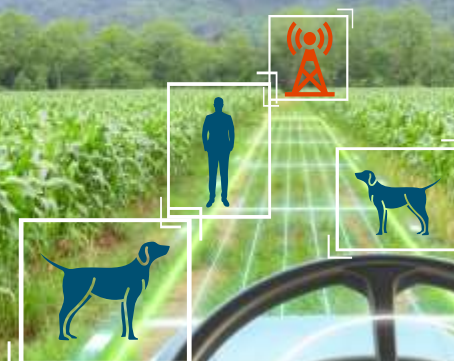


Autonomy makes industry more efficient
Autonomy enables sustainable practices



Perception augments
positioning and
enhances safety.

Precise GNSS is
critical for autonomy.



In precision agriculture, autonomous mobility:

Minimizes chemical
application

Protects water
resources

Improves
soil health

Optimizes
land use

Fall (Y1) – post-harvest

In precision agriculture, autonomous mobility:

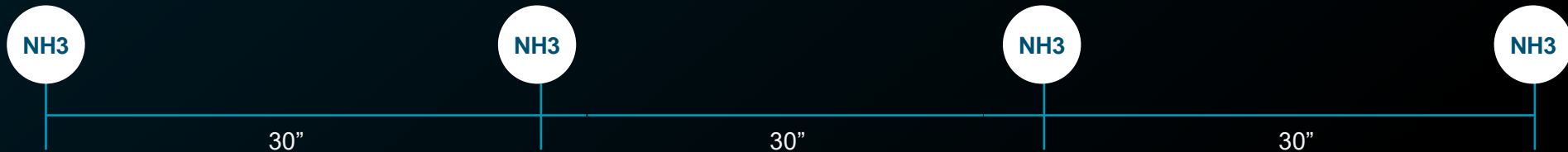
Minimizes chemical
application

Protects water
resources

Improves
soil health

Optimizes
land use

Fall (Y1) – fertilizer application



In precision agriculture, autonomous mobility:

Minimizes chemical
application

Protects water
resources

Improves
soil health

Optimizes
land use

Spring (Y2) – corn planting



In precision agriculture, autonomous mobility:

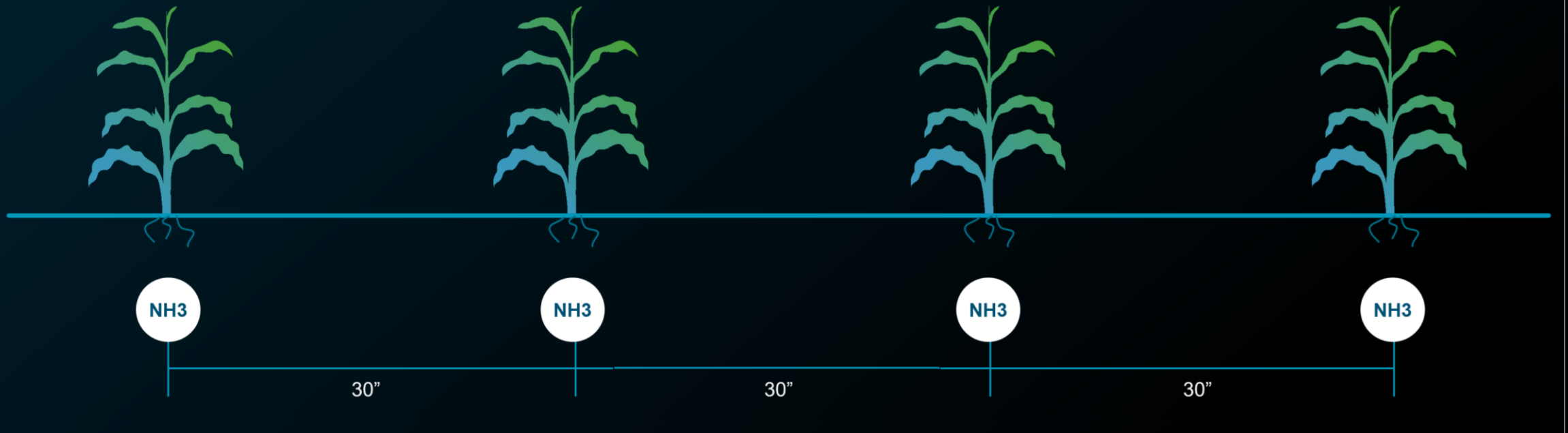
Minimizes chemical application

Protects water resources

Improves soil health

Optimizes land use

Summer (Y2) – corn matures



In precision agriculture, autonomous mobility:

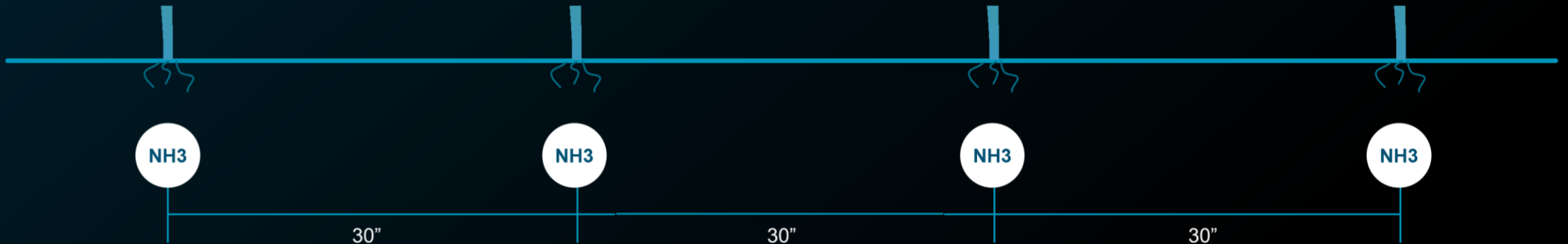
Minimizes chemical
application

Protects water
resources

Improves
soil health

Optimizes
land use

Fall (Y2) – corn harvest



In precision agriculture, autonomous mobility:

Minimizes chemical
application

Protects water
resources

Improves
soil health

Optimizes
land use

Fall (Y2) – cereal rye planting



In precision agriculture, autonomous mobility:

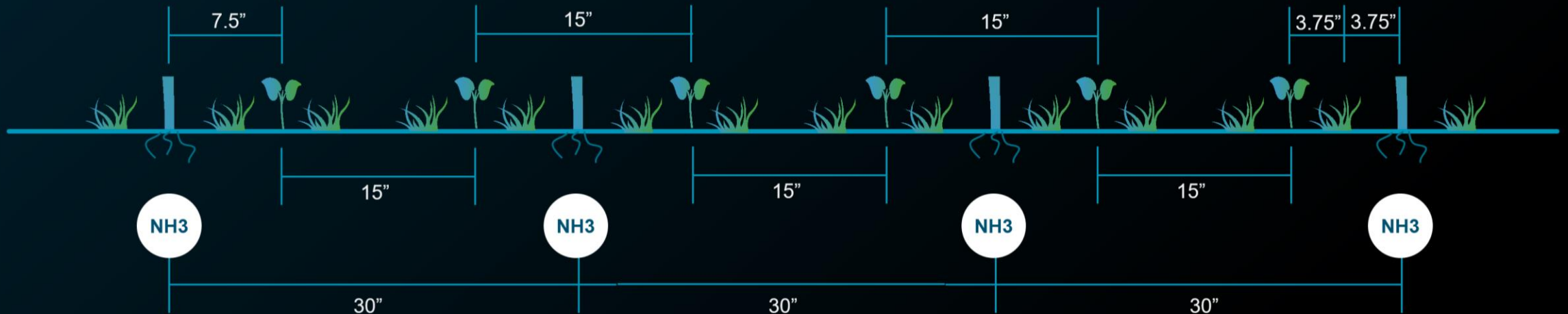
Minimizes chemical
application

Protects water
resources

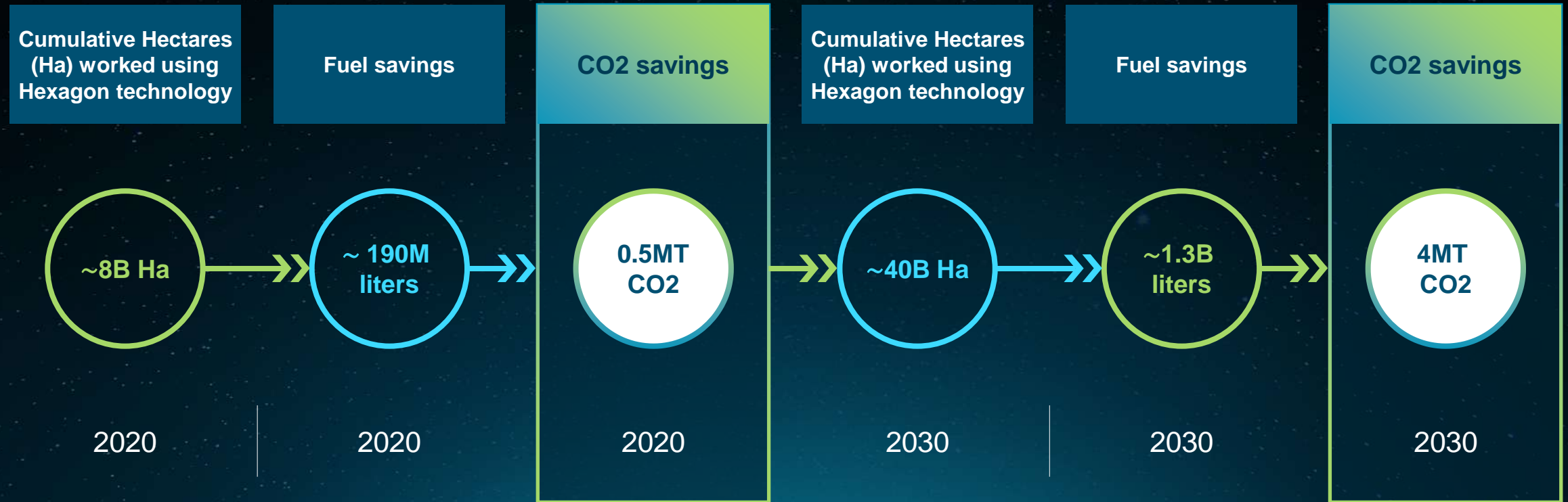
Improves
soil health

Optimizes
land use

Spring (Y3) – soybean planting



Hexagon technology reduces CO2 emissions on farms worldwide



By 2030, annual CO2 savings equal emissions from 1M cars or all emissions from a city the size of Stockholm.

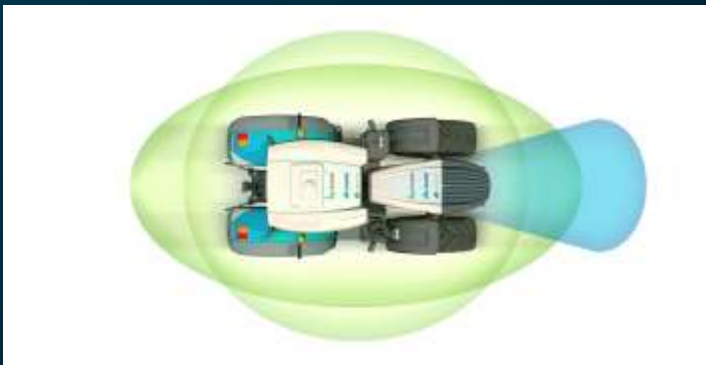
Hexagon technology also reduces water contamination by minimizing chemical and fertilizer application.

Precision agriculture includes autonomous tractors — and more



Enabling Sustainability – Hexagon's Autonomous Mobility portfolio

Industrial-grade autonomy (ag perception & positioning kits)



- Specialized industrial-grade perception and positioning systems are designed for extreme environments.

- Sensor Fusion technologies enable trustworthy autonomy and positioning.

- Complete engineering services enable autonomous platform development and deployment.

Enabling Sustainability – Hexagon’s PNT protection portfolio

Positioning, Navigation and Timing Protection

GAJT and GRIT Technologies



➤➤ GAJT (GPS Anti-Jamming technology) protects GPS signals against intentional and unintentional interference.

➤➤ GRIT (GPS Resilience and Integrity technology) protects GPS positioning from signal spoofing and cyber attacks.

➤➤ ITK (Interference Tool Kit) filters unwanted signals impacting positioning performance.

Enabling Sustainability – Hexagon’s Positioning Services portfolio

Hexagon’s “RTK From the Sky” delivers precision



- Safe Autonomous Mobility requires much higher accuracy than provided by standard GPS/GNSS signals.

- Errors must be reduced with an augmentation signal.

- Hexagon “RTK From the Sky” technology provides a **global** augmentation signal to achieve <5 cm accuracy, near instantaneous, anywhere in the world without additional infrastructure costs, with 99.999% availability.

Hexagon enables a sustainable future through Autonomous Mobility

