



# Cleantech Forum **Europe**

Antwerp | May 14-16, 2018



Cleantech Forum **Europe** | Antwerp

# Innovation Showcase



## Investor Reviewers



**FABRICE BIENFAIT**  
Partner, ETF Partners



**MATTHIEU BONAMY**  
Senior Investment  
Director, Idinvest  
Partners



Cleantech Forum **Europe** | Antwerp

## Presenting Company

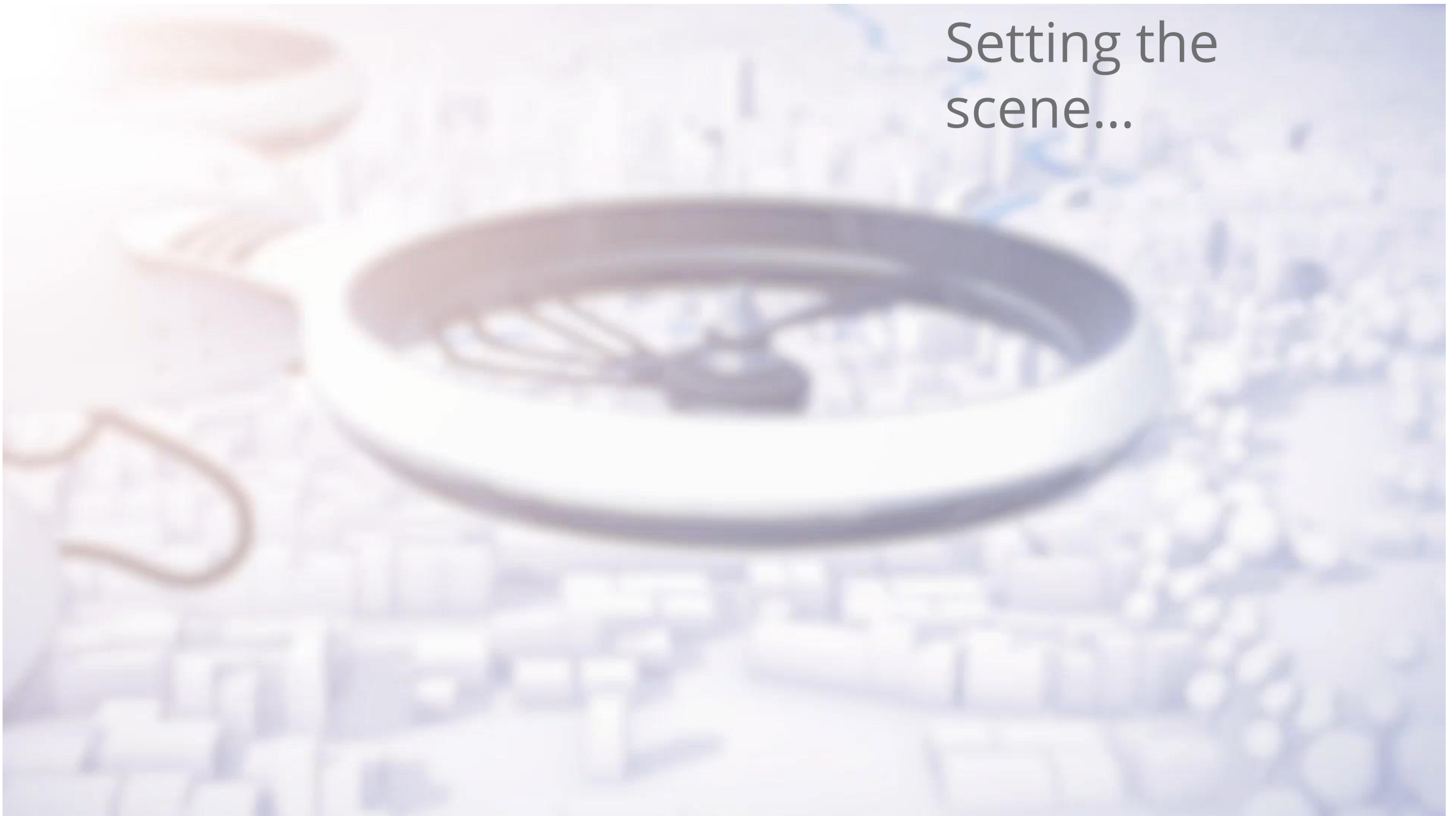


**KOEN MEULEMAN**  
Co-Founder and CFO, Unifly



The future  
of unmanned traffic  
management,  
**applied today.**

Setting the  
scene...



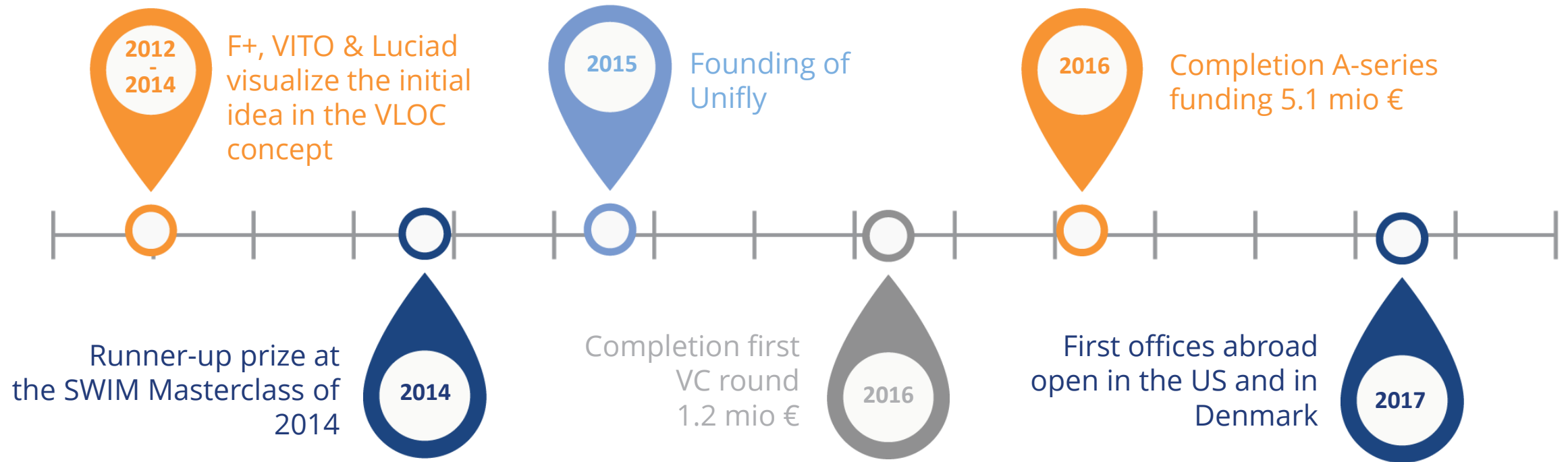
*We are:*

- a **team of 31 people** of air navigation specialists and engineers that has lived the problem and has experience in growing startup companies.
- well connected with the European Legislators and Aviation Authorities as well as international standardization bodies

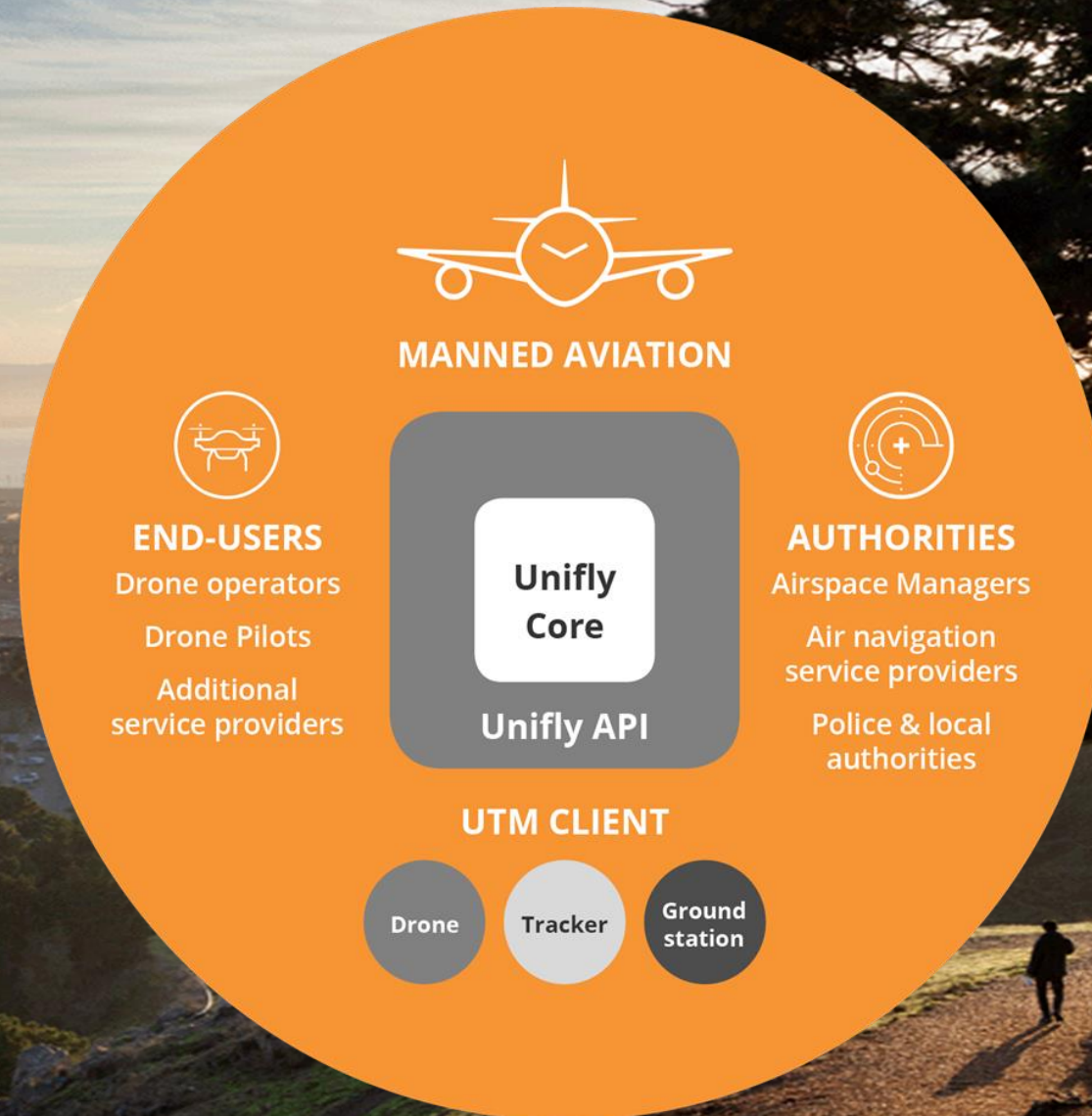
*Our drone traffic management platform is:*

- an Award winning, High Performance software backbone for **real time data processing**, connected to operational Air Traffic Management and Information systems using **worldwide accepted aviation standards**
- based on a Flexible and scalable architecture that allows for worldwide coverage of **Unmanned Aviation Legislation**
- market-proven, with **Tailored user interfaces** for different target groups in the emerging drone business
- a MUST HAVE technology to enable the drone market ( 117 bio US \$ )

# Our history



# A sound architecture



# Research Projects Partners

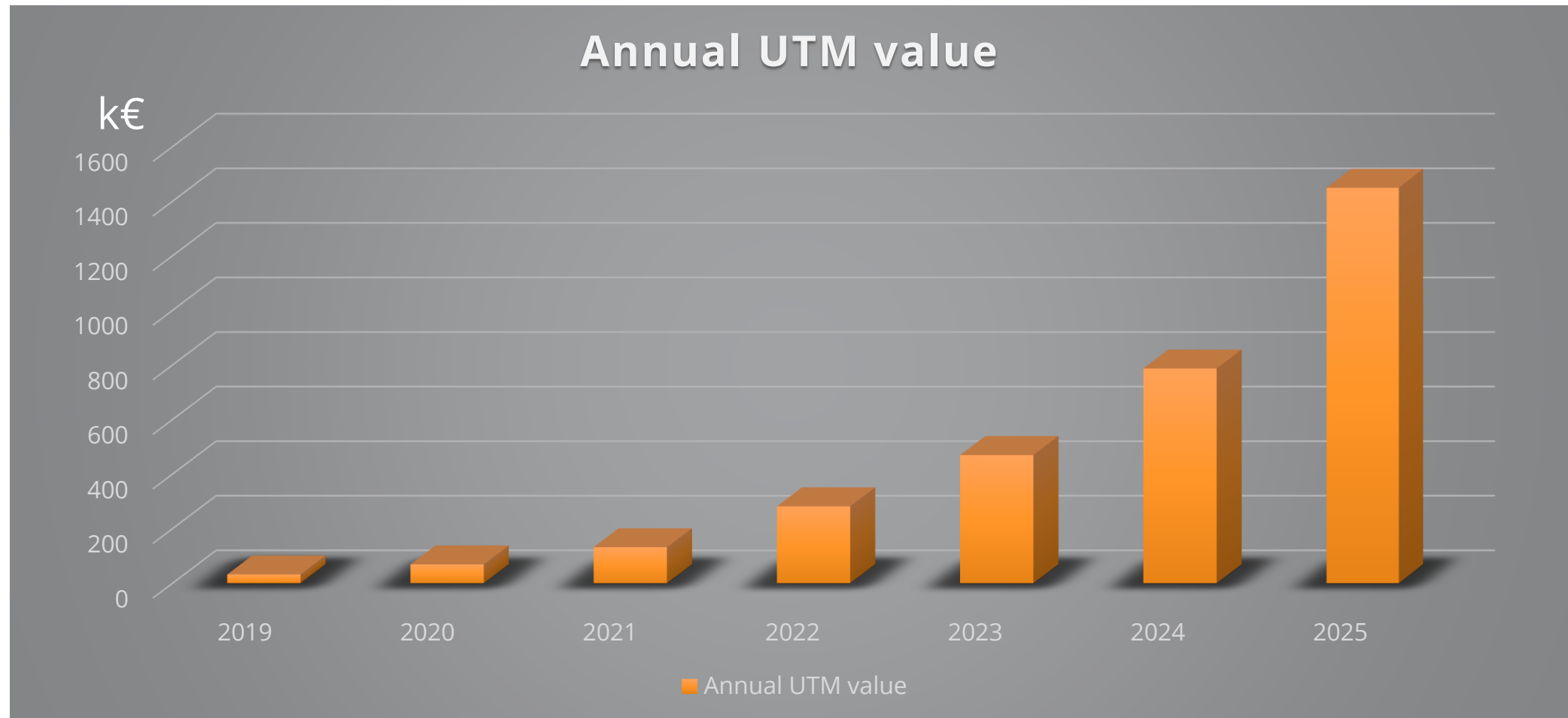


## Our Customers



35 000 + registered Users / 200 + flights per day ( winter !  
)

# UTM Market Evolution



Source: [www.unmannedairspace.info](http://www.unmannedairspace.info)

# UNIFLY, what we want to achieve



*Our market segment is:*

- Green field, embryonic, “must have”
- Sustainable and large: > 1.4 bio US\$ worldwide from 2025

*Our target is:*

- to become the goto supplier for Unmanned Traffic Management technology Globally

*We are looking for:*

- **20 mio+ Euro series B funding** for continued development and International Growth
- hands-on investor(s) with domain-specific know how to leverage our business

*We offer our investors:*

- part of a unique company in the fascinating world of professional drone applications
- a high return on investment at exit as the result of our unique offering



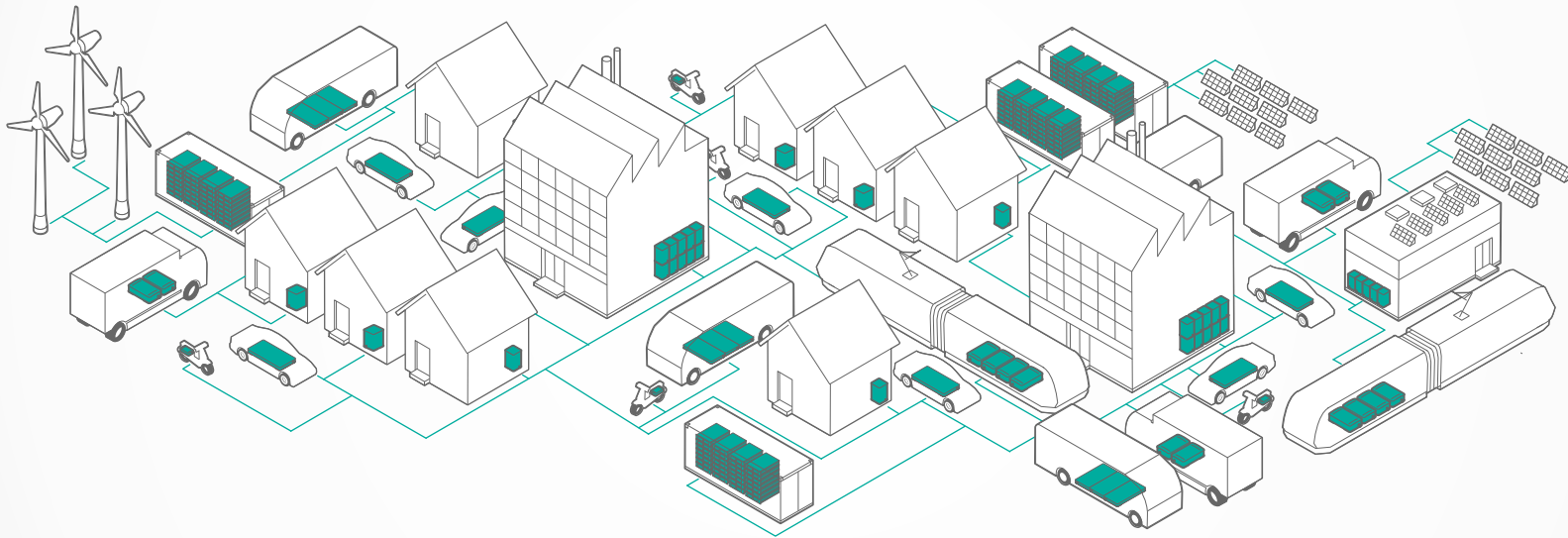
Cleantech Forum **Europe** | Antwerp

## Presenting Company



**JAMIE VOLLBRACHT**

Non Executive Director and IP Group plc Board  
Representative OBO, Dukosi



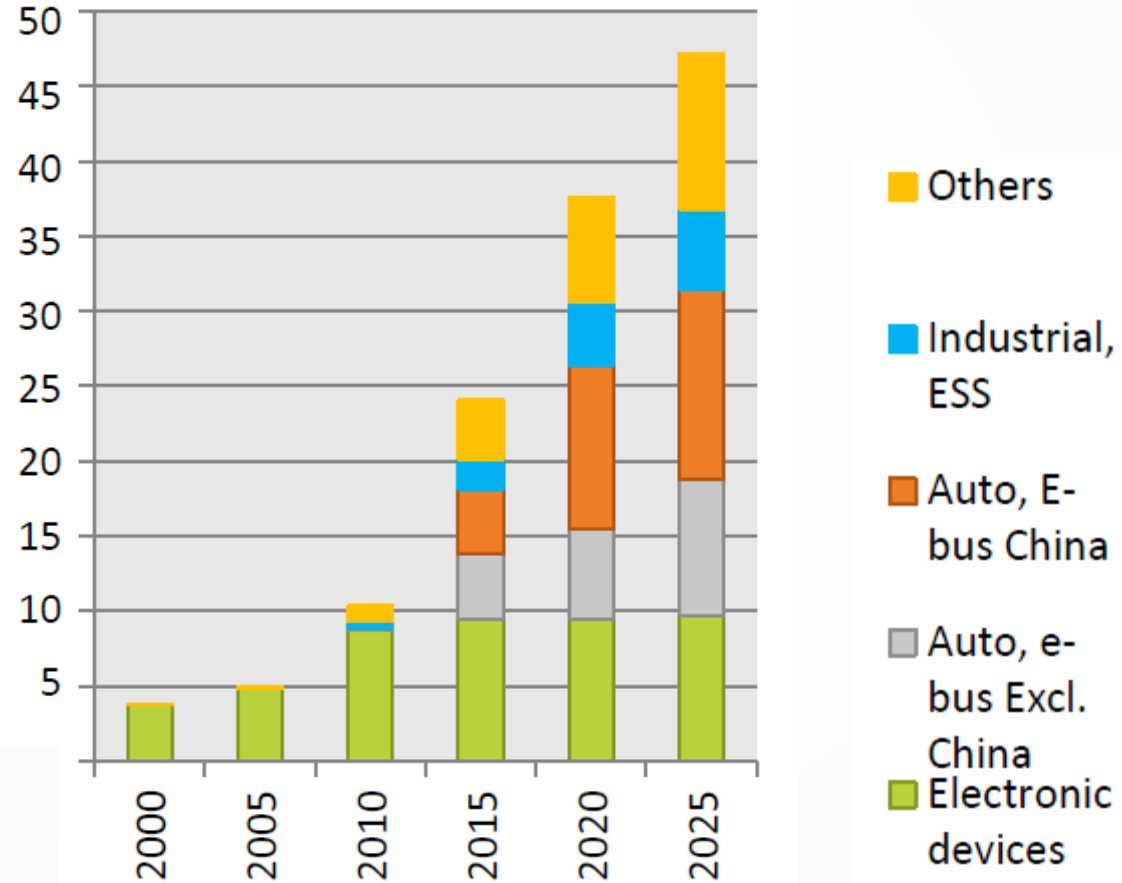
**Intelligent cells; better batteries**

**Cleantech Forum Europe, Antwerp May 2018**

# \$25bn market, multiple applications



Li-Ion battery market, \$bn



Source: Avicenne Energy



# Major investments in cell capacity



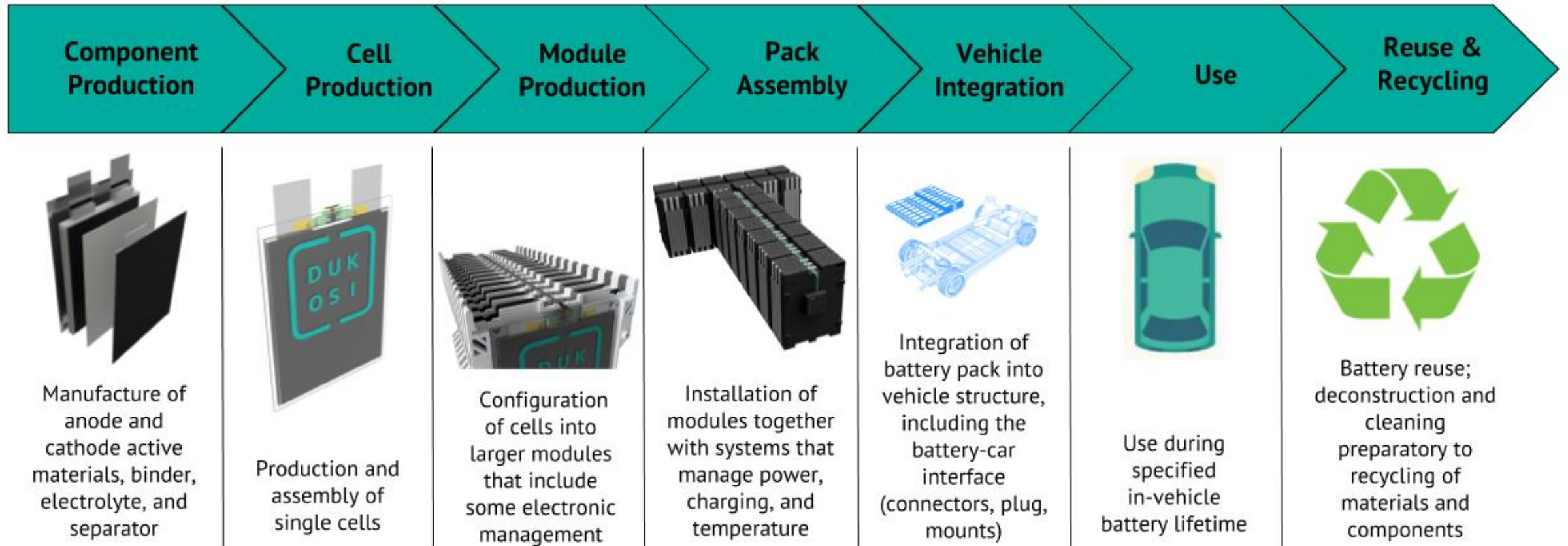
Source: Tesla

# Major investments in cell capacity

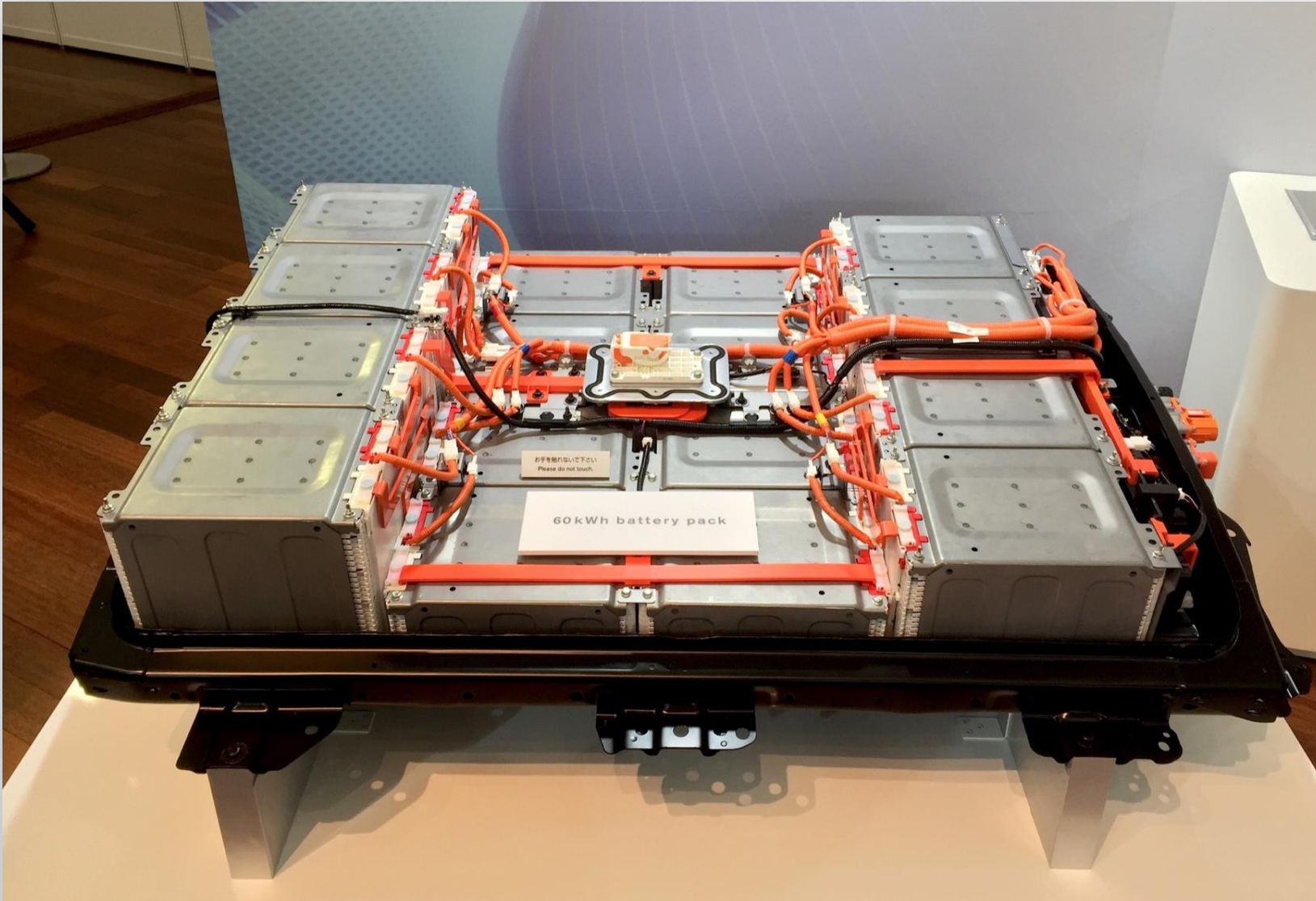


Source: FT

# Need/opportunity for new entrants...?

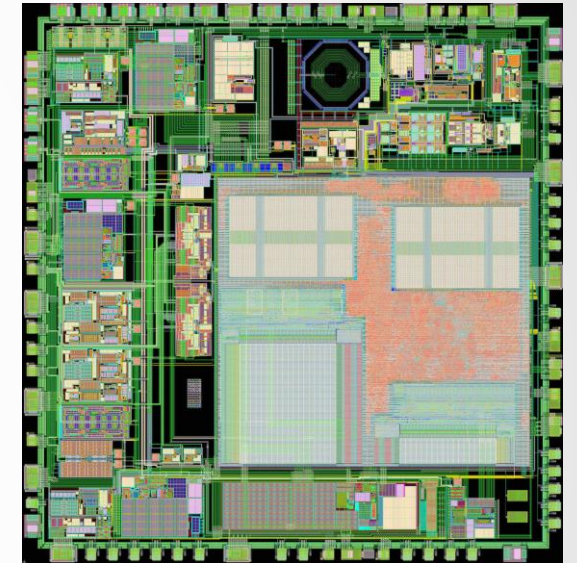
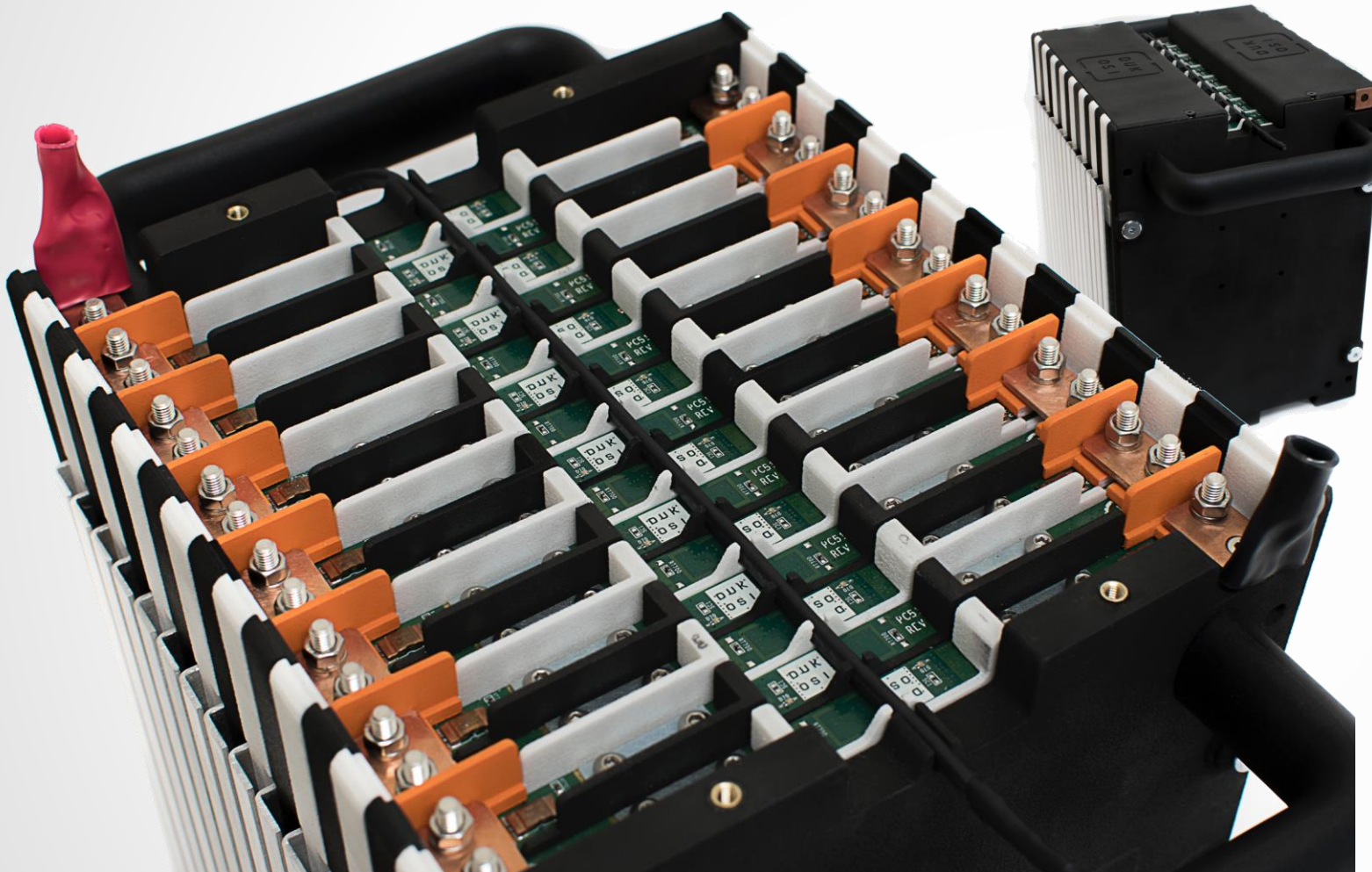


# ...issues with battery pack management





# Dukosi: disruptive, patented chip/NFC wireless, and...



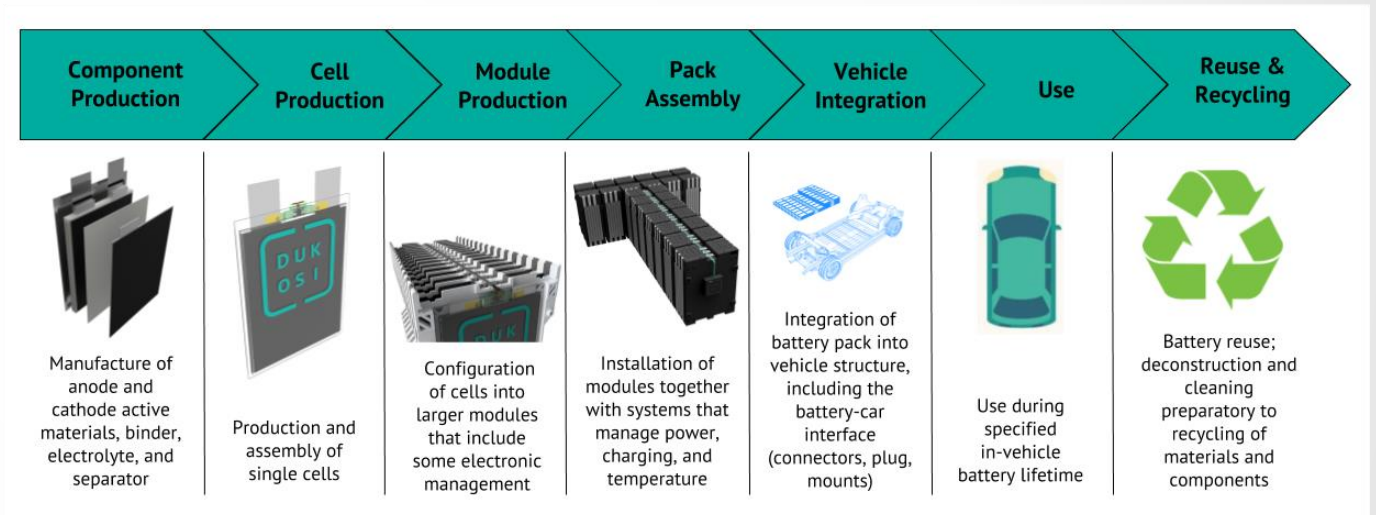
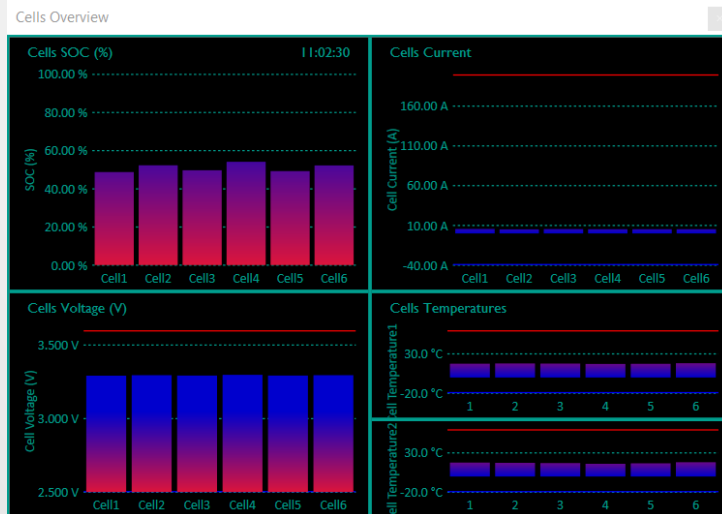
3.5mm

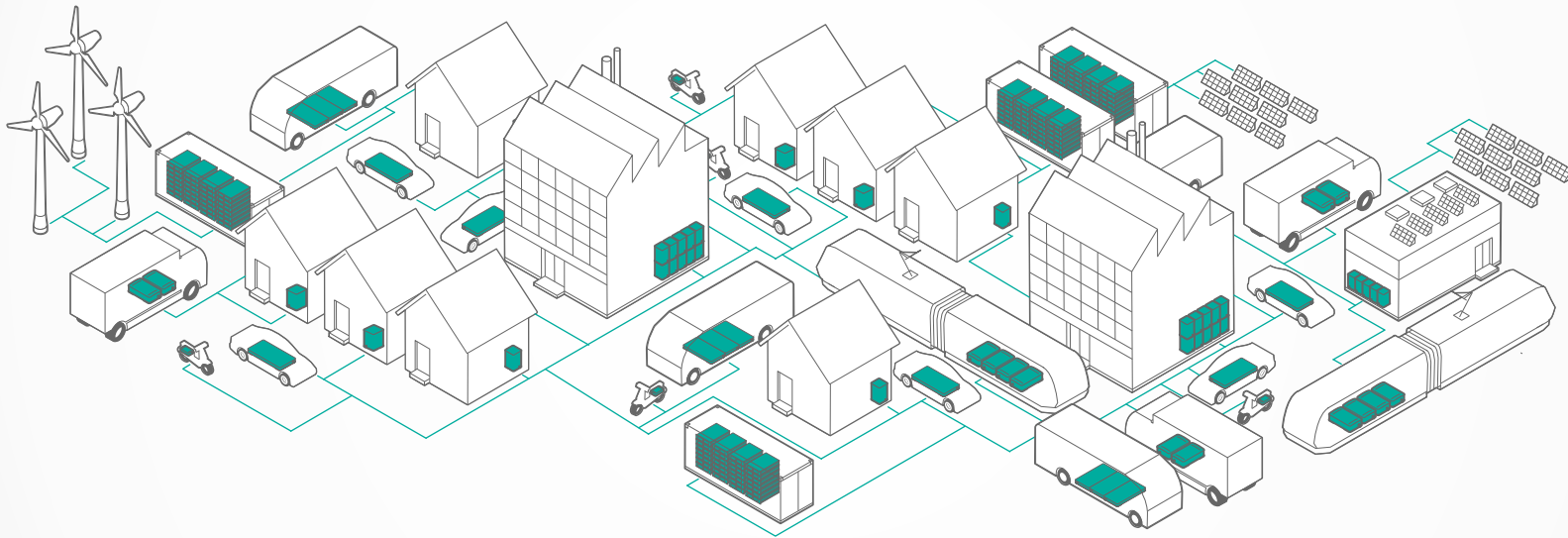


Dukosi 48V 20Ah A123 Li-FePO4 module - 15S1P - final pre-ASIC board configuration



# ...software/data - value from manufacture to end of life





**Intelligent cells; better batteries**

**Cleantech Forum Europe, Antwerp May 2018**



Cleantech Forum **Europe** | Antwerp

## Presenting Company



**MARTIJN LOPES CARDOZO**  
CEO, Black Bear Carbon



# GLOBAL CLEANTECH FORUM EUROPE

May 16, 2018  
Martijn Lopes Cardozo

# WASTE TIRE PROBLEM



PRODUCTION IS **VERY POLLUTING**



# BRINGING THE CIRCULAR ECONOMY TO TIRES



CARBON BLACK



TIRES



WASTE  
TIRES

CIRCULAR ECONOMY

**CO<sub>2</sub> SAVINGS WORTH  
1 MILLION TREES**



# WHY BLACK BEAR?



# 3 REASONS WHY YOU SHOULD INVEST



1. MEGATREND, yet untapped



2. Proven, scalable and attractive



3. World class team

# CIRCULAR ECONOMY: MEGATREND YET UNTAPPED



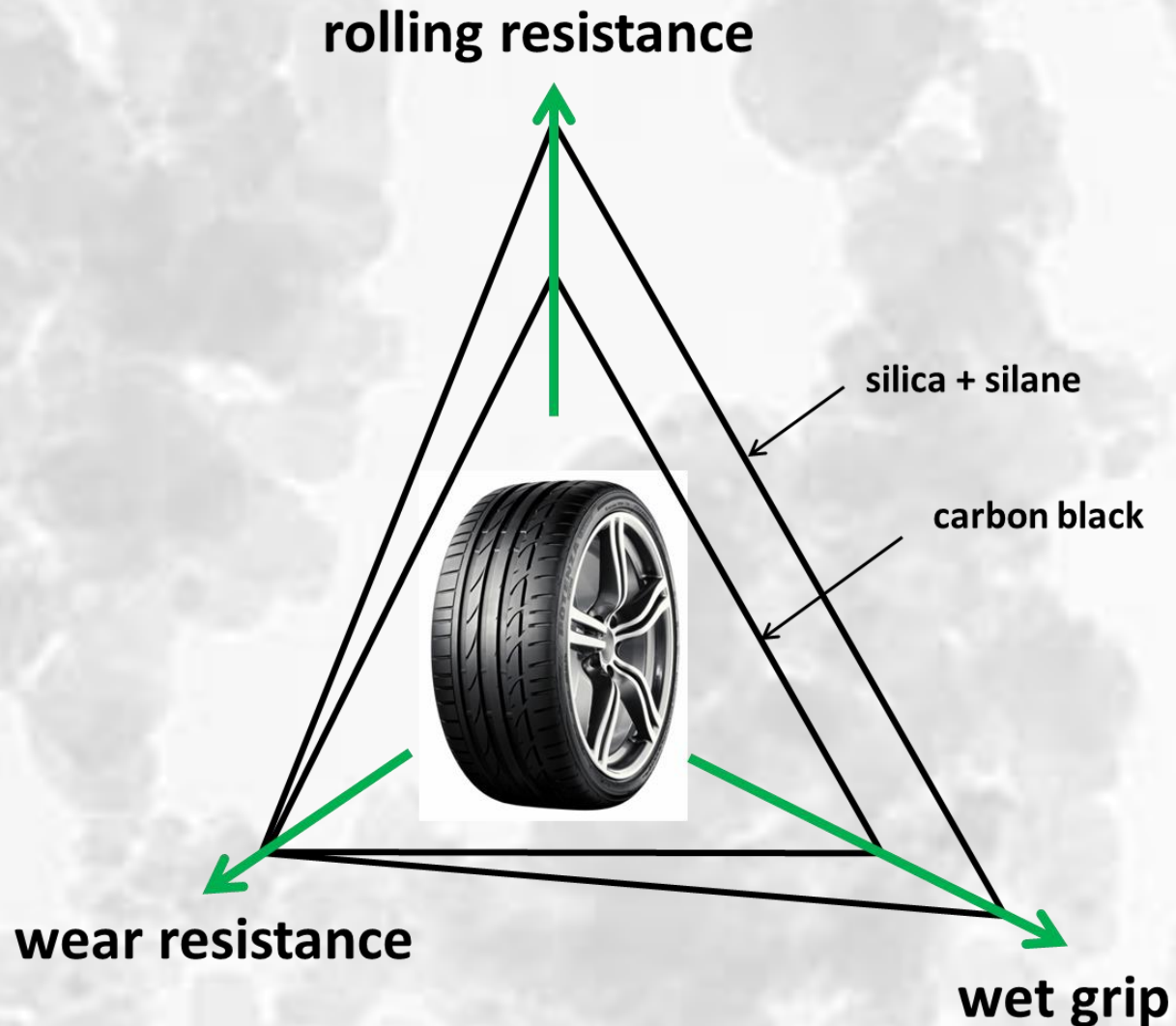
**BUSINESS MODEL IS PROVEN...**



# AND APPROVED BY CUSTOMERS ...



# OUR CARBON BLACK IS UNIQUE IN RUBBER



**++ DURABILITY**

**++ ROLLING RESISTANCE**



# STRONG USP'S IN ATTRACTIVE SPECIALTY SEGMENT



**GREEN AND CLEAN**



**STRONG COLOR**



**EASY HANDLING**



**COST EFFECTIVE**



*Coatings*



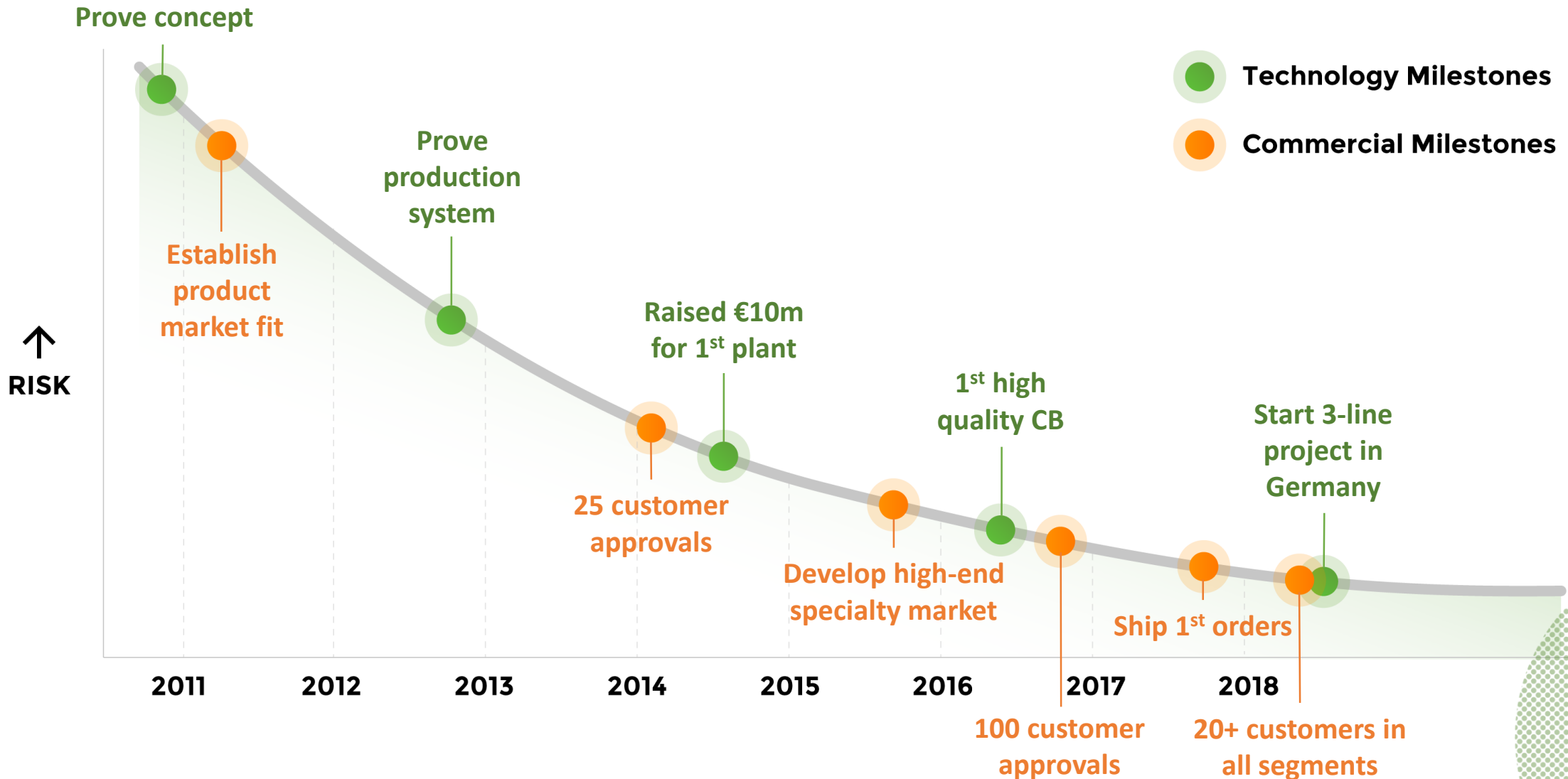
*Inks*



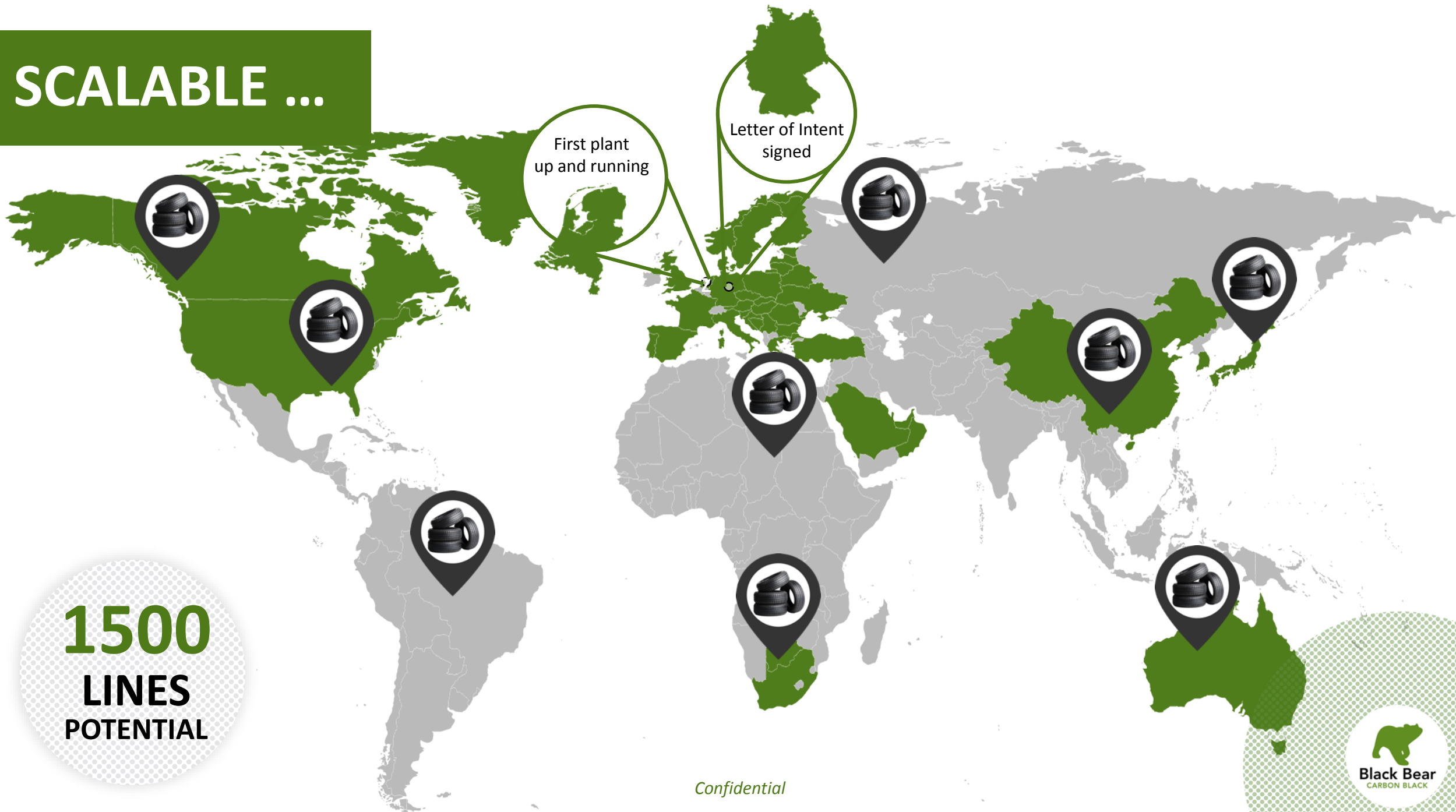
*Plastics*



# RISK REDUCED BY ACHIEVING KEY MILESTONES



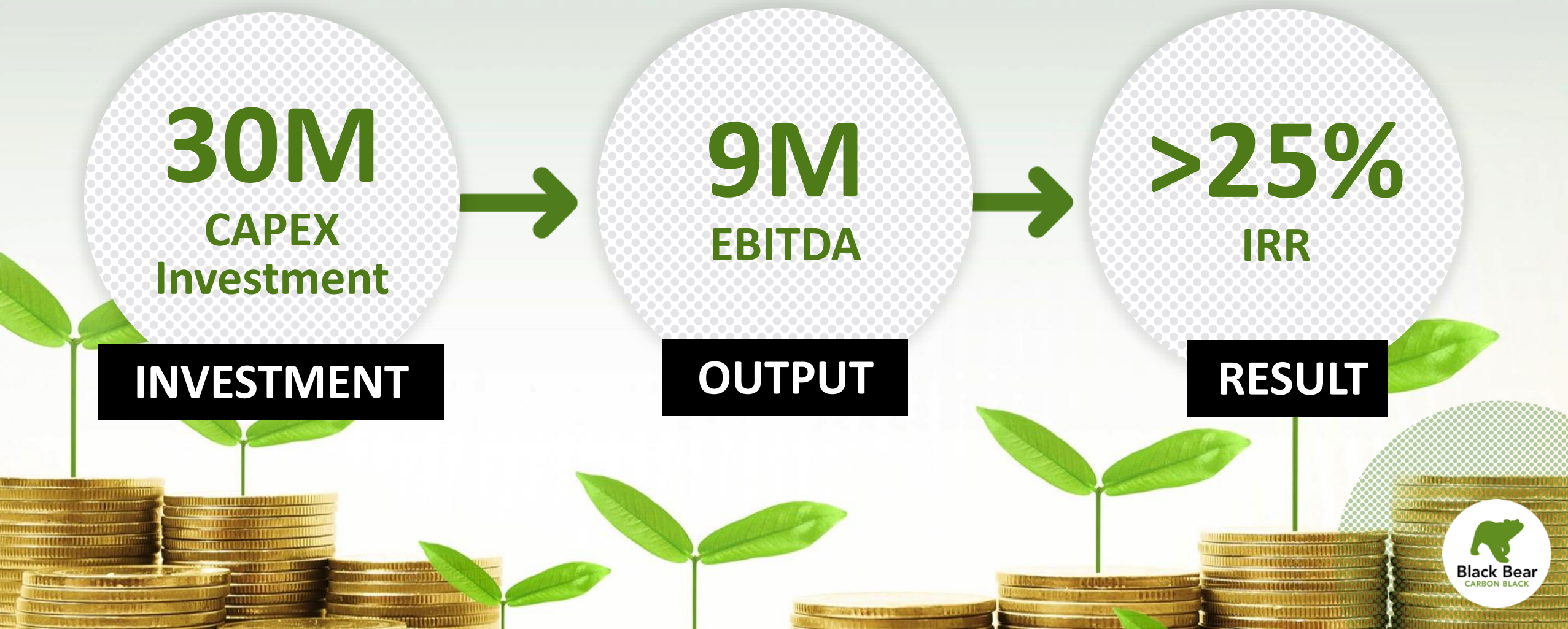
# SCALABLE ...



**1500**  
**LINES**  
**POTENTIAL**

*Confidential*

# AND ATTRACTIVE WITH SOLID UNIT ECONOMICS



# WORLD CLASS TEAM READY TO MAKE IT HAPPEN



# RAISING EURO 10M



**Grow team**



**Invest in R&D**



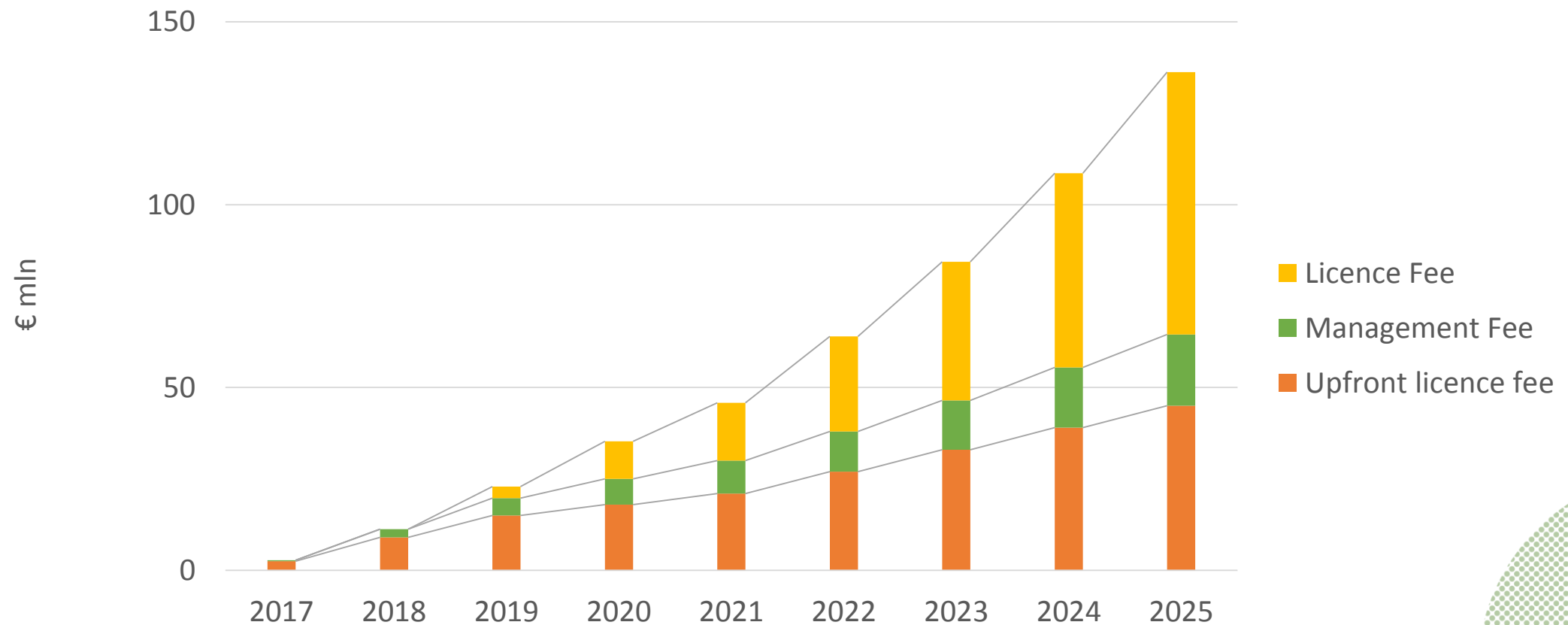
**Improve manufacturing efficiency**





@blackbearcarbon  
@martijnlopes

# WHICH DRIVES BLACK BEAR'S LICENCING REVENUE



# BLACK BEAR AND THE SDG'S



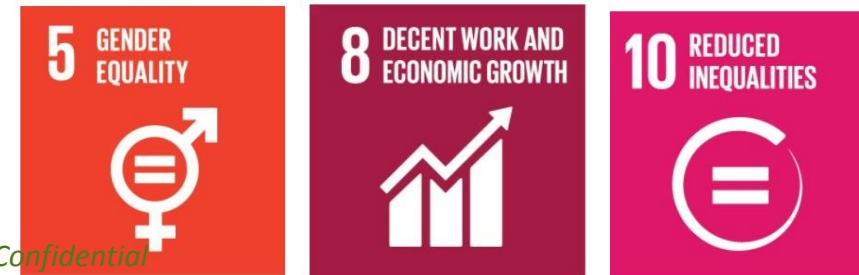
“GREEN”



“CLEAN”



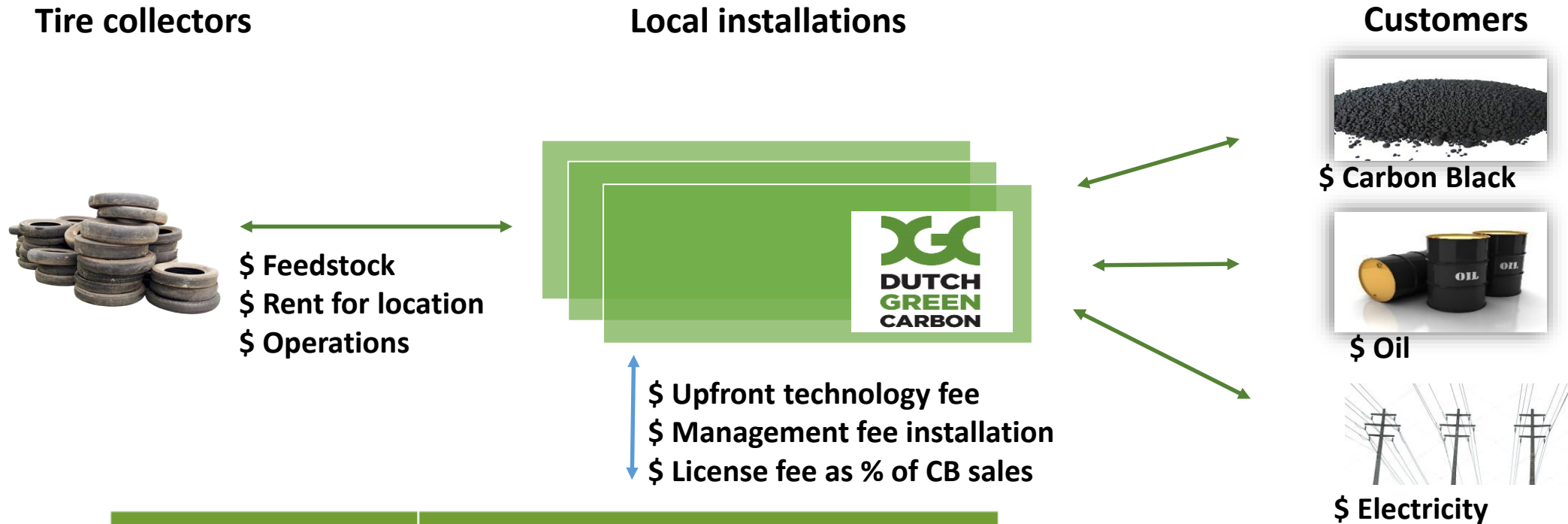
“INCLUSIVE”



Confidential



# BUSINESS MODEL ALIGNS INTERESTS FOR ALL



## Black Bear

- Technology & IP
- Plant construction management
- Carbon Black Marketing and sales
- R&D and product development

# WE ARE THROWING AWAY **THE RESOURCES** OF TOMORROW



**LINEAR ECONOMY**



[martijn@blackbearcarbon.com](mailto:martijn@blackbearcarbon.com)



Cleantech Forum **Europe** | Antwerp

## Presenting Company



**SEBASTIEN DEPREZ**  
Co-Founder, Qweriu



Cleantech Forum Europe 2018

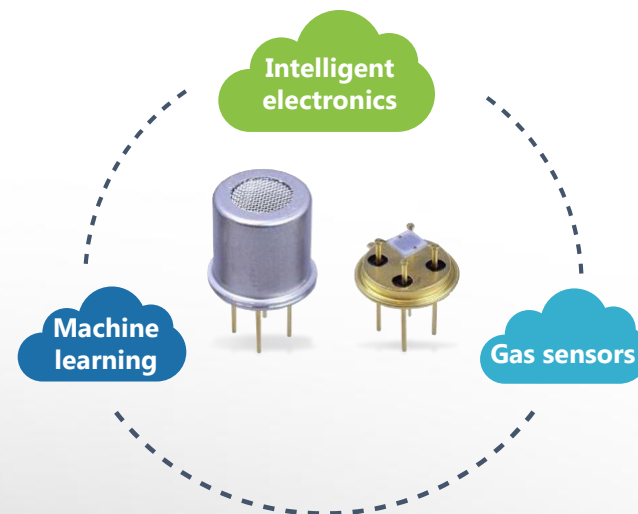
Sebastien Deprez  
CEO Qweriu

# iNose base technology



The **iNose**, the first **AI driven gas detector**

**Artificial intelligent** means the **sensors** can be **trained** to detect odors or gases for the customers' application

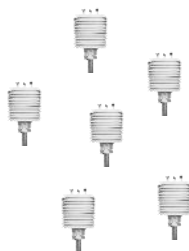


# How to use our AI?

How to train the iNoses?

Learn from high-end systems

The iNoses can be trained by **using high-end systems** as input to **extrapolate** with low-cost devices which creates **denser sensor networks**

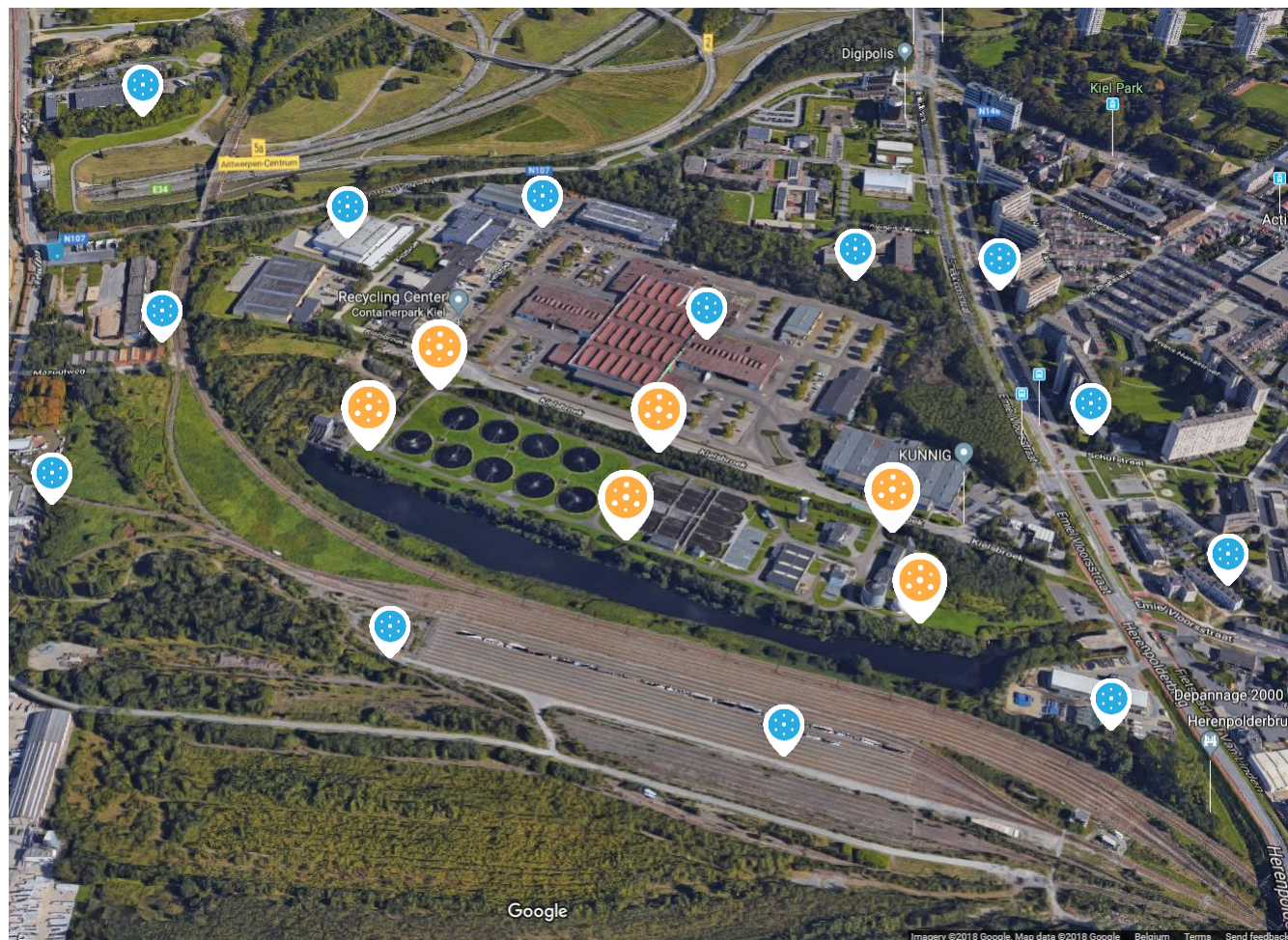


# How to use our AI?

How to train the iNoses?

Learn from odor sources

The iNoses can be trained by using **sources of odor nuisances or gases** as input to **objectify** events and complaints



# How to use our AI?

How to train the iNoses?

Learn by tagging

The iNoses can be trained by using **events/tags** as input.

This can be **external relevant data (sensors, user input, ...)** or your **own nose** via a **smartphone app**



# Customer references

These customers make us proud

Gas detector network in the Port of Antwerp



Detects, identify and quantify (ppm) various gas types and informs users on calamities via an online platform

Soil remediation in city center for DEC



Follow-up the impact of a critical soil remediation on the environment

# Scalable markets

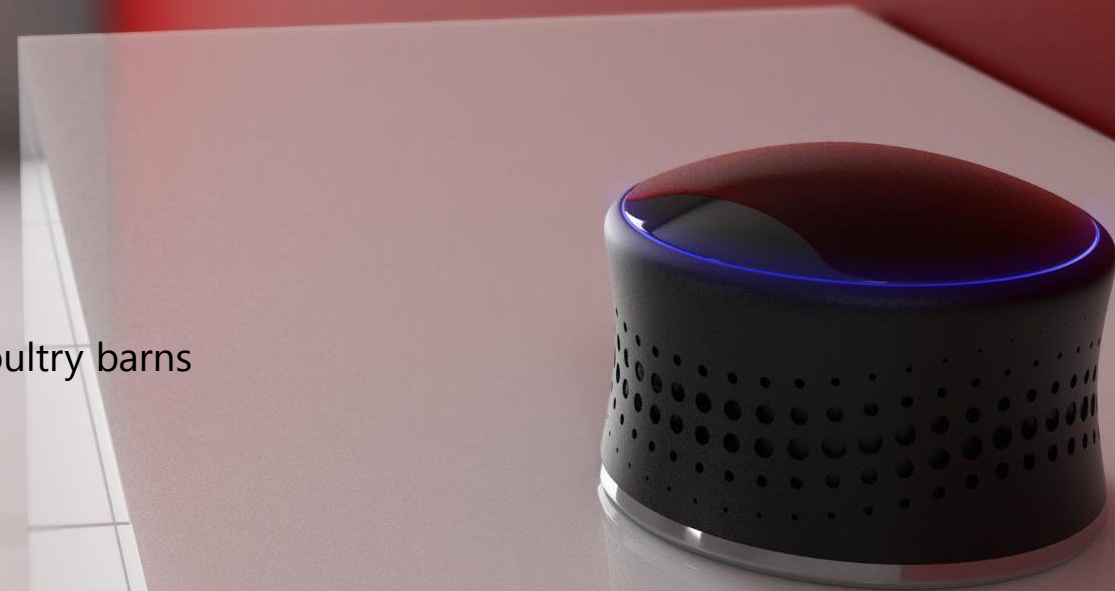
What's our **target market**?

## Indoor

- › Offices
- › Public buildings
- › Classrooms

## Outdoor

- › Soil remediation
- › Shale gas sites
- › Emission measurements in and around pig/cow/poultry barns
- › Waste treatment plants
- › Chemical industry



# We are looking for...

---

Early stage funding

Commercial partners

Test projects in scalable markets



sebastien@qweriu.com



+32 50 68 30 54



[www.qweriu.com](http://www.qweriu.com)

[www.qweriu.com](http://www.qweriu.com)

© 2017 Qweriu BVBA. All Rights Reserved.