

Äike T



*Under embargo



One day,
everyone will
be riding





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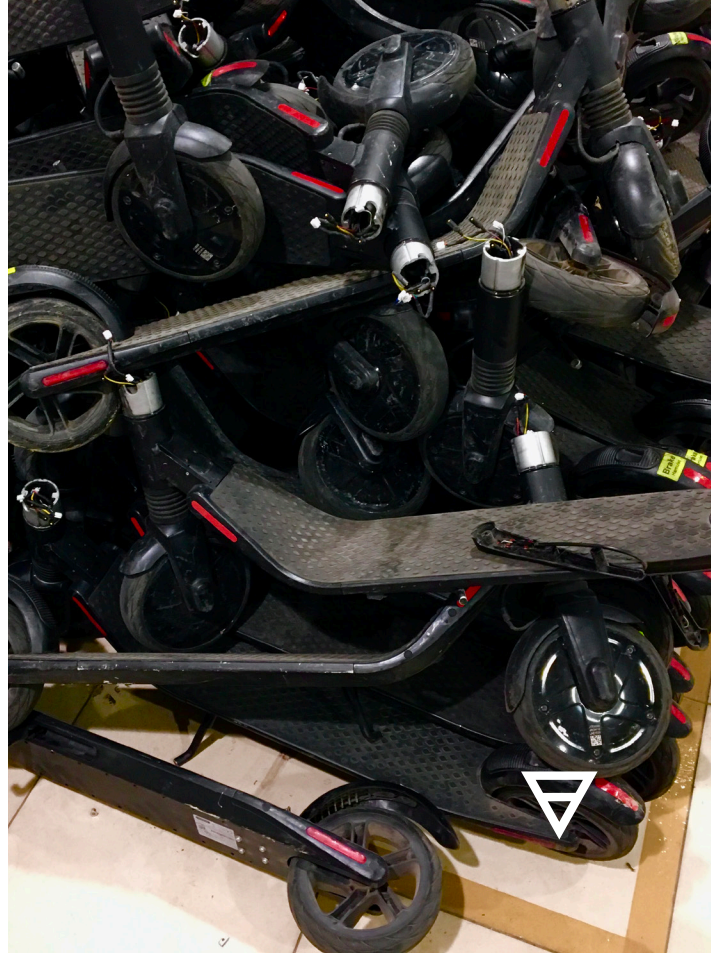
The history of Äike

Everything started in 2014 when a group of young Estonian engineers were taking over the European student Formula scene by building top-level electric racing cars. The passion to create, ideate and build agile vehicles was astronomical, but it was soon understood that riding around in circles is kinda... useless.



This led them to create Comodule - as of now the nr.1 IoT and connectivity provider for more than 500 000 light electric vehicles around the world. However, this shed light on a deeper issue - although e-scooter & e-bikes were taking over the world under the umbrella of offering a simpler and greener alternative, the quality of production was appalling.

Especially in the world of e-scooters. The truth is that the vast majority of e-scooters do not last, their production is far from sustainable and they are uncomfortable and unsafe to ride in realistic city conditions.



So Kristjan Maruste, the CEO of Comodule, decided he had a new mission on the horizon: to build the ergonomically best e-scooter possible with maximum efforts to ensure high quality, local and sustainable manufacturing.

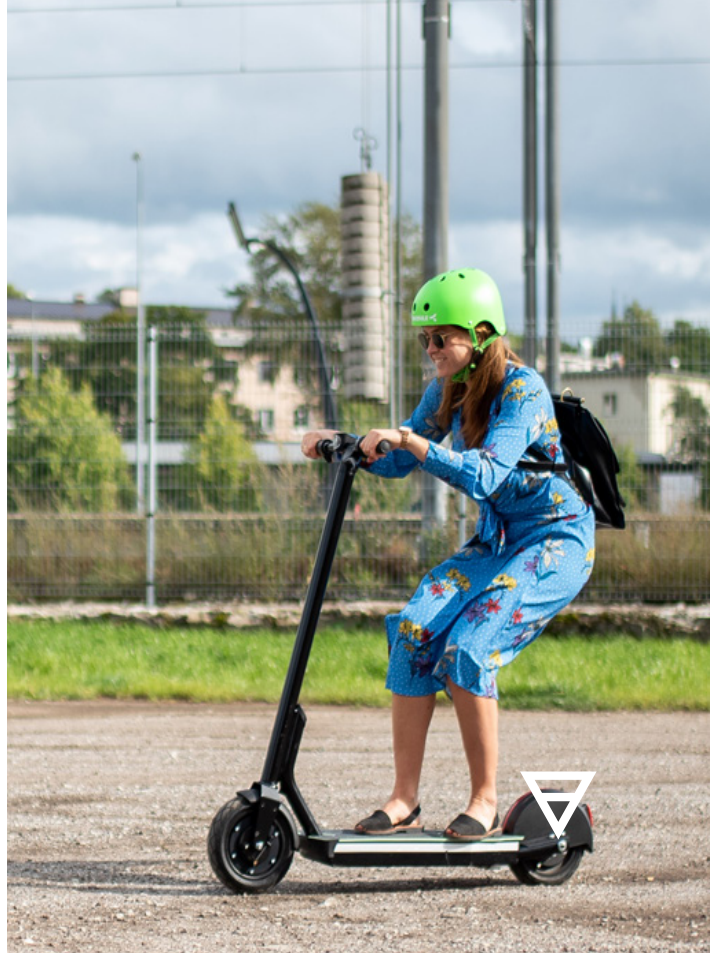
In 2020 they built their first scooter that they tested out on the streets of Tallinn through a fleet service. The response was amazing - very quick adoption rate, the declared the shortest braking distance on the market and is the number one choice for thousands of riders.



The next step was obvious:
it was time to commit fully
to vehicle production.

And this is how the brand Äike was born. Äike (which means Thunder in Estonian) set out to be the world's first electric scooter brand with 100% of production taking place in the city centre of Tallinn, Estonia.

As the founder lived, breathed and bled IoT and connectivity, Äike also set out to be the best-connected electric scooter by offering a custom-made app to be the key, remote control and over-the-air toolbox for the scooter.



The test fleet transformed into a real fleet that still operates to this day in Estonia and Latvia. In fact, there are several fleets around Europe that operate on these original B2B scooters. As of June 2022, the official 24/7 scooter operating count sits at around 3500.

In 2021 however, is when the team decided to also enter the D2C market and start selling directly to consumers. The original Äike D2C e-scooter launched in the summer of 2021. With 42% recycled components and a 10-year guarantee on the frame - it was quickly seen as a unique specimen.

One of the strongest competitive edges we saw, was the commitment to being weatherproof. Äike has proved its supremacy in -17°C rain and +35°C heat.

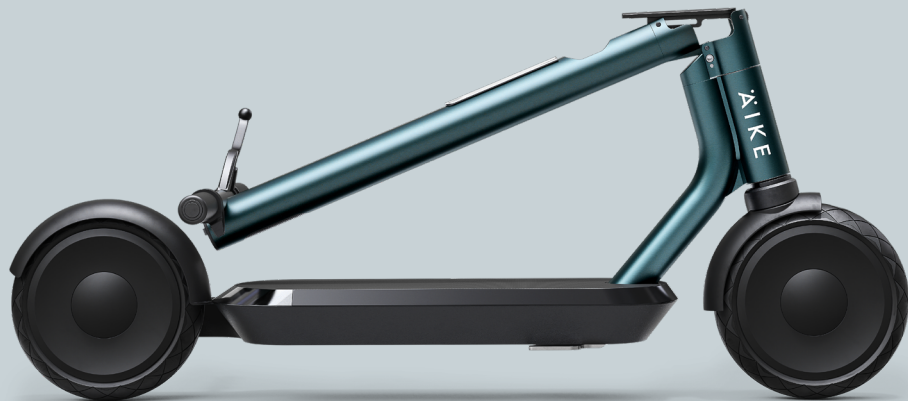


But the team wanted
to keep improving.

The Äike team set out to create the absolute ideal electric scooter for the urban commuter. The team conducted tens of unique customer interviews and completed several product development workshops. They enlisted the help of German-based, Italian-rooted industrial design agency Zanzzotti and thus, a new generation of Äike was ready to be unleashed.



Äike T





“I always thought happiness starts with H, but turns out it starts with T”

Äike T, launching on July 6th 2022, is an electric scooter that is built to fit seamlessly into your everyday life. From purchase to storage, to maintenance, to ride. Every step of the experience is made with the rider in mind.



Travel with up to 150kg

We believe everyone should ride comfortably and safely. Especially beautiful people like yourself. The new Äike is built to carry up to 150 kg, be comfortable in all footwear and handle all road conditions without anyone breaking a sweat. This also includes potholes, curbs and any other type of terrain your local city council has yet to address.





Totally waterproof

The new Äike T is built to handle rain puddles, snowstorms and icy roads. Coming from Estonia, Äike engineers know all too well that perfect weather is but a dream in most countries. And getting wet is a part of life. Plus kinda fun. We don't think the weather is a valid excuse to not convert to micromobility so we are leading by example. Our official testing approves riding from -17 to +35-degree weather.





Tested durability

In other words, the Äike T is über strong and will stay your loyal vehicle even after minor conflicts. Äike's high-quality EU-based manufacturing and interchangeable parts make everything super sturdy to begin with, yet also effortless to repair. As all our manufacturing is based in Europe, we are not majorly affected by global supply chain shortages and work avidly to prolong the vehicle's lifecycle as much as possible. At the heart of the robustness is our pride and joy - our sturdy aluminium & steel frame.





Theft protection 24/7

One of the main reasons people doubt purchasing vehicles is the fear of them getting stolen. We, however, are not afraid, we see it as a challenge. The encrypted IoT-powered GPS protection allows you to leave the scooter outside when you're in a restaurant or at the supermarket. Unauthorized movement of your Äike launches an immediate notification on your app, triggers the automatic brake lock and sounds a loud and proud alarm.





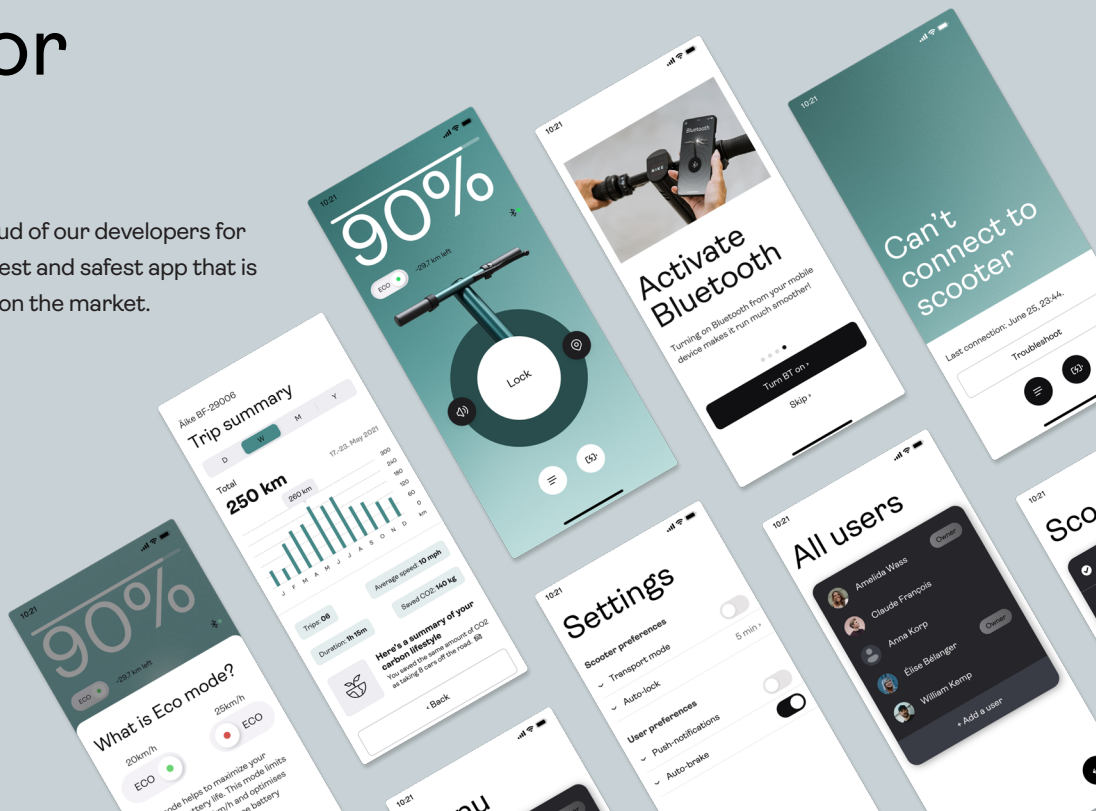
Fold it like it's hot

Äike T is made to be folded up and taken absolutely anywhere. Like a lapdog. Or the feeling of forgetting to unplug your iron. The comfortable folding mechanism is an original design developed by Äike engineers and is made to urge riders to take their scooter anywhere they're travelling. The scooter weighs a mere 19kg - the perfect balance between riding stability and transportation comfort.



T is for Tech

We are mighty proud of our developers for creating the smartest and safest app that is currently available on the market.



We believe that as tech evolves, so should the scooter. A lot of gadgets get forced into retirement because they can not keep up with the updates of their paired devices or users simply opt for the next-generation model to experience the high of novelty.

Another way Äike T sets out to prolong its lifetime is to offer continuous free firmware and software updates to both the app and the scooter, meaning it will stay compliant with any new device that appears on the market. The ever-growing new list of features will ensure the newest connected riding advancements can be experienced on the same hardware, thus saving countless amounts of premature metal and tech waste.



The IoT-infused Äike app offers

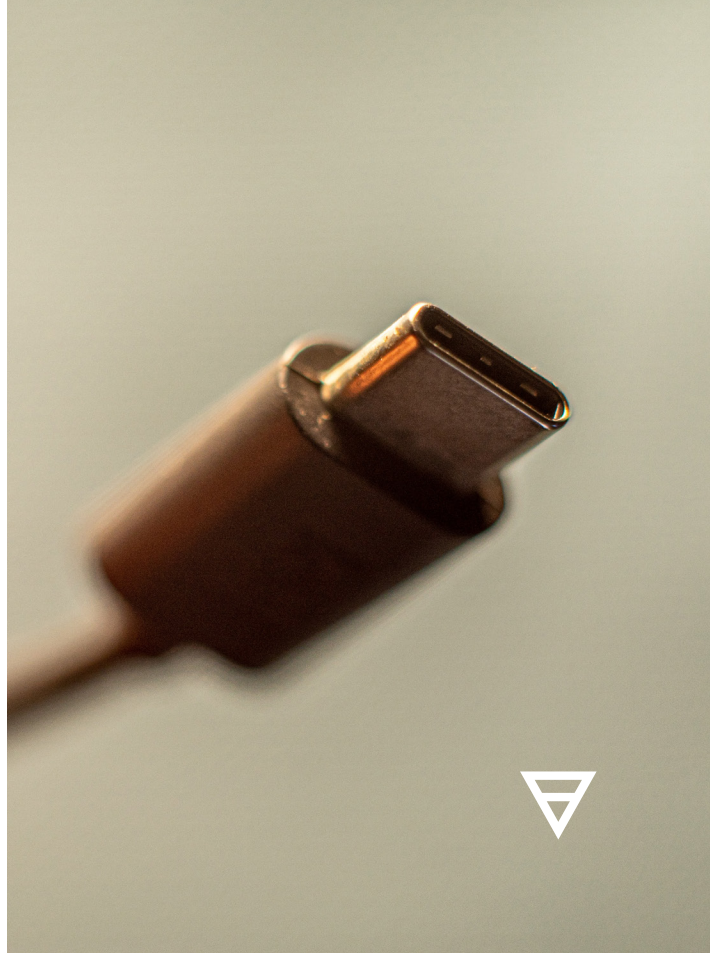
- 24/7 GPS protection
- The key to your Äike T - only lock/unlock with your phone. Or by simply having the phone in your pocket.
- A trigger to a threefold theft-alarm system,
- Customizable riding settings (including automatic braking/regeneration; speed control, user management, transport mode and more!)
- Direct line with our customer support.
- Automatic troubleshooting and access to free firmware updates as the tech evolves.



“The Lord of the Chargers”

One charger to rule them all

Both the Äike T itself, as well as the battery, separately are chargeable through a USB-C charging cable. In simple terms, this means you can use your laptop charger to charge your e-scooter. As European Union lawmakers have reached an agreement on legislation that will force all future electric devices sold in the EU to be equipped with the universal USB-C port for wired charging by fall 2024, we feel already one step ahead of the game. The agreement will ensure 11 000 tonnes of electric waste will be saved per year in the EU. What a win.



To satisfy screen needs

A display and phone holder for
rider confidence

The handlebars of the Äike T come equipped with our own minimal aura-inspired display for speed and battery monitoring, as well as a dock to comfortably place your mobile phone for GPS or Äike app functionalities. The app doubles as an in-app display for the riders who wish to be fully informed of their data when riding yet is completely optional and removable for those who prefer to unplug and stay focused on the road.





Specs & Engineering

The engineering team of Äike consists of fully in-house members. The talented team works directly next to our factory facility to ensure smooth implementations and lots and lots of testing.



FA PCBA
warehouse

EMPTY BOXES

EMPTY BOXES

EMPTY BOXES



Removable battery

No acrobatics needed
to carry it home

The removable main battery and hidden IoT battery mean your scooter will be GPS protected even when the battery is being charged separately. This means you can store your Äike T in an attic, your garden, the street - with no theft anxiety.



Operating the scooter is now accessible to

- Those who do not feel comfortable lifting heavier objects
- Those who live amongst tight staircases or small apartments
- Those who get anxious about the idea of a muddy scooter being brought into their home
- Those who wish to top up their battery charge from an office or any other location



Ride comfortably with both feet side by side

No need to be a contortionist, the wide and low-standing deck means you can ride like all other vehicles - with your body comfortably directed in the direction of riding, with both feet side by side. Tried and tested with all footwear from high heels to flip-flops.



Double braking for maximum control

With both a mechanical and electric braking system - Äike is proud to claim the shortest braking distance on the market. As a scooter that has been developed in a wet and icy climate - the brakes are also designed to work in puddles, on ice and under water. Rider safety and safety is and always will be a priority.



Technical info

Specifications

| | |
|----------------------|--|
| Length | 1185 mm |
| Width | 510 mm |
| Standing Deck Width | 200 mm |
| Weight | 19 kg |
| Height (Unfolded) | 515 mm |
| Height (Folded) | 1148 mm |
| Standing deck height | 152 mm |
| Ground clearance | 72 mm |
| Nominal motor power | 350W |
| Max speed | 25 km/h (limited to local legislation) |
| Range | up to 40km depending on terrain |

Tech Specifications

| | |
|---------------------------------------|---|
| Kickstand | Double kickstand in the front |
| Wheel size | 10 inch (outer diameter) |
| Tyres | Tubeless pneumatic tyres |
| Brakes (Front/Back) | Mechanical drum brake / Electrical brake (regenerative) |
| Front light | Day time and low beam functionalities / 3W |
| Rear light | Brake light function (brighter when braking) |
| Display | Speed and battery state of charge indicator |
| Water resistance (Ingress Protection) | Weatherproof IPx5 |
| Charging port | Outer USB-C port with 5V output capability |
| Phone holder | Integrated anchorage compatible with SP and Quadlock |
| Nominal battery voltage | 43,2V |
| Battery capacity | 13.5 Ah / 583,2 Wh |
| Charge time | 4h* with dedicated fast charger / Regular 6-8h |



Sustainability

It's not easy being green.
But we sure as hell are
doing our best.



A factory in the centre of Tallinn, Estonia

For the Äike team, it has always been important to keep production as close to home as possible and not go the money-hogging route of mass-production in Asia. In fact, the first IoT modules and vehicle components that the team built were in a regular office building. In 2020, the engineers finally had their dreams come true with a fully functioning local factory.



How deep is your love for the environment?

A misconception we are often faced with is that although our factory is in Europe, our components are still the exact same as in other vehicles on the market that comes fully from China. This is absolutely false.







For our first Äike model, the final data confirmed that only ca 36% of all materials in the e-scooter came from Asia. And that was primarily as battery production in Europe is to this day inexistant. For the Äike T, roughly the same amount of the raw materials are locally European & Estonian.

100% of the metal components used are from Estonia so directly supporting local suppliers.

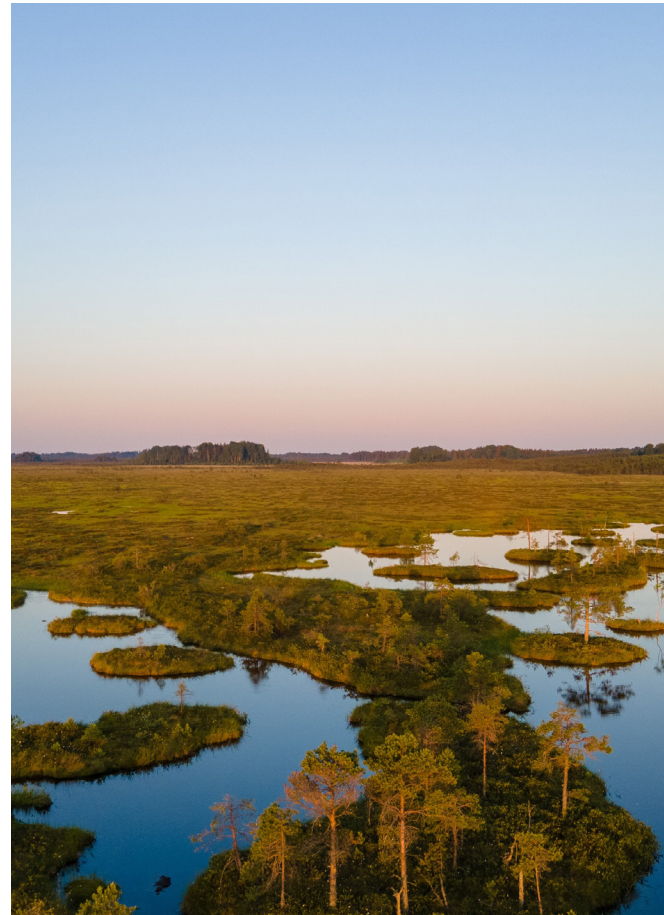
All of the electronics are built in our own factory
- we even assemble our own batteries!

We have always been very transparent about our manufacturing and really urge other companies to do the same. A lot of the micromobility world remains extremely hidden and greenwashed, which is why our factory is truly one of our proudest things to showcase.



The local factory helps us

- > Have full control of the quality of our products
- > Provide seamless maintenance and lifetime prolonging solutions for our clients
- > Support local suppliers and opt for recycled goods for our raw production materials
- > Shorten the transportation distance and carbon footprint of deliveries in Europe
- > Quickly and seamlessly implement changes and updates as tech is ever-evolving



Key Facts

- The factory operates 7 days a week and on 100% on clean renewable energy
- The factory first opened in 2020 and has been actively expanding ever since
- As of June 2022, the factory employs 69 full-time active employees.

We have good-guy certificates too

- ISO 9001 Quality Management System
- ISO 45001 Employee Safety
- ISO 14001 Environmental Management System

Äike 11



That's not all!

Äike has more exciting things coming!

This summer, Äike will also be launching a B2B scooter named Äike 11, built exclusively for fleets.

We want to empower everyone to ride more electric scooters, which is why we are also launching a durable and robust vehicle for shared fleets to put an end to scooter graveyards and the embarrassing amount of waste that poorly produced fleets can result in.

The average lifespan of a fleet scooter is anywhere from a few months to 1-2 years. Äike 11 has set out to spend around 3x more time roaming the streets.



It packs a punch

- Available: Spring 2023
- Large single battery for 50km+ range
- A wide deck and even larger 11" wheels – for better ride comfort and durability
- Compatible with all EU regulations
- 99.8% Guaranteed system availability by Comodule IoT
- Sustainable EU-based production & shipping – spare parts with overnight express delivery.
- Compatible with various software options, such as ATOM Mobility, Joyride, GoUrban and many more.



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Scan me for exclusive
photos! ;)



