

# Wapice introduction

Company, references and smart city solutions



CREATING A SMARTER  
FUTURE **TODAY**

# Wapice, the IoT and AI company from Finland



- Transforming **Industrial Companies** through digitalization since 1999
- **Private ownership**
- Continuous **organic** and **profitable** growth
- Employing **>350** IIoT and **AI** experts
- 10 office locations in Finland
- ISO 9001, ISO 14001 and ISO 27001 certified



National  
Entrepreneur  
Award 2016



Highest Creditworthiness  
for more than 3 years  
\*Bisnode 2018



ISO 9001 • ISO 14001



FINNISH  
SERVICE



2007-2017

Microsoft Partner  
GOLD Application Development

ENABLER OF  
EnergyWeek  
2018



Microsoft  
Partner

2019 Partner of the Year Winner  
Application Innovation Award



# Future-proof your business with digitalization

Increase profit, save costs & improve service

## Your challenges

- > Rising customer expectations
- > Changing business landscape
- > Rising operating costs
- > Declining revenue

**Ready-to-use solutions** by Wapice  
fast implementation • high adaptability • built-in security



**Customized solutions** by Wapice experts  
complex problems • unique solutions

AI, Big Data & Analytics • DevOps • Embedded Systems  
Web & Mobile solutions • Cyber Security • IoT Services  
Electronics Design & Manufacturing • Cloud Services  
Technology and Digitalization

## Proven results

- ✓ New business models
- ✓ Premium customer experience
- ✓ Fast development

## Proven benefits

- ✓ Future-proof technology
- ✓ World-class expertise
- ✓ 360° competence

Proven track record

Sustainability

Smart Energy

Smart City

Industry

Manufacturing

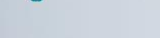
Public

Retail

Food Industry

Moving Machines

Forest, pulp, paper and fibre



Microsoft Partner

2019 Partner of the Year Winner  
Application Innovation Award





# IoT-TICKET

YOUR TICKET TO INTERNET OF THINGS AND BEYOND...

## > IoT for Everybody

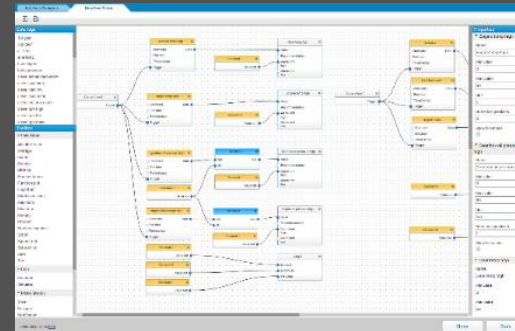
OUR TOOLS FOR IOT APPLICATION BUILDING



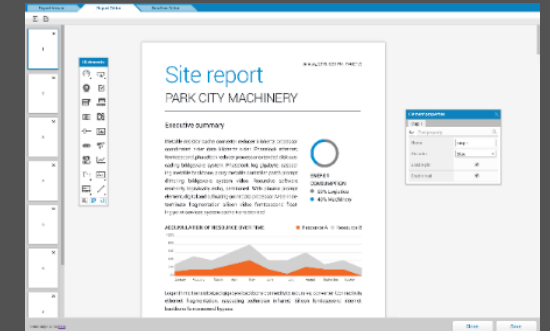
DASHBOARD



INTERFACE DESIGNER



DATAFLOW EDITOR



REPORT DESIGNER



Industrial proven IoT solution  
Producing award winning results



Fastest time to market &  
return on investment



Driving Digital Transformation  
Innovation tool suite



Best in class  
Usability

< Low Code />  
< No Code />

Enabling  
Citizen Development



AI & Analytics  
Big Data



Great Business Model  
Subscriptions, value for money

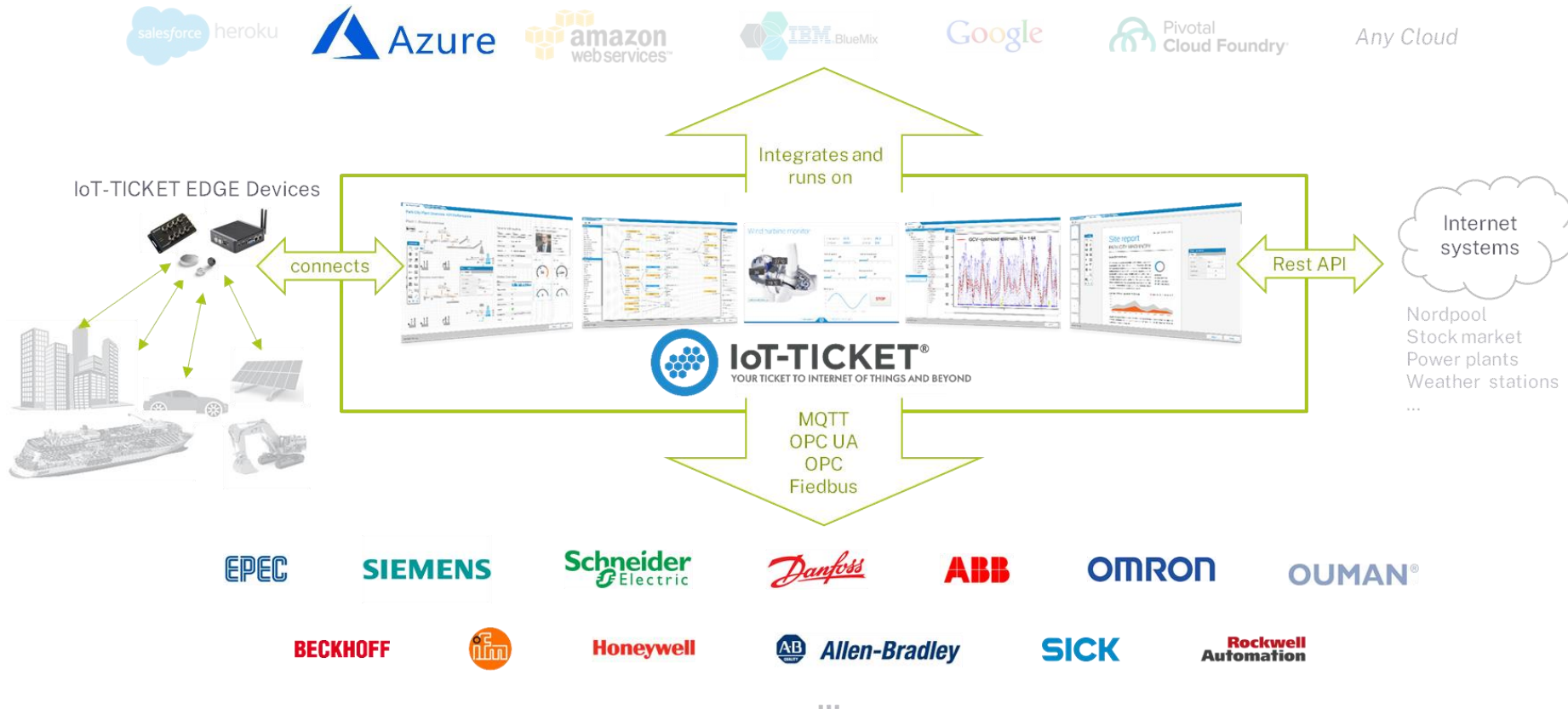


End-to-end  
Tech Stack



# Connect systems together

- › Digitalize and boost existing ecosystems by unleashing IoT-TICKET



# Wapice Smart City

# TRANSFORM YOUR URBAN AREA TO A SMART CITY

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## What is it?

- IoT and AI based solutions to transform your urban area to a smart city. Based on the award winning Wapice IoT-TICKET® innovation platform.
- Use data driven decision making like never before. When the funds go where they make the biggest difference, everybody wins. You and your citizens.
- You can take small steps or bigger – it's up to you. Start with for example smart lighting, advance to smart maintenance etc.

Analyze, predict & innovate your city's maintenance, traffic and life with **IoT-TICKET® Smart City Solutions.**





# How will it change the future of your city?



## **Measure what matters**

Measure and optimize the energy efficiency and carbon footprint. Analyze and predict maintenance needs.

## **See the big picture**

Focus your services to where it matters the most and give your citizens easy access through digital applications – cost efficiently.

## **Create entirely new business opportunities**

Our smart city ecosystem enables service innovation and growing business through digital services and data for local companies.





# Meet IoT-TICKET

## Ready-to-use Smart City Services

### Urban Areas

Safe and clean



### Mobility

Sustainable and easy



### Energy

Green and flexible



### Buildings

Carbon negative and healthy



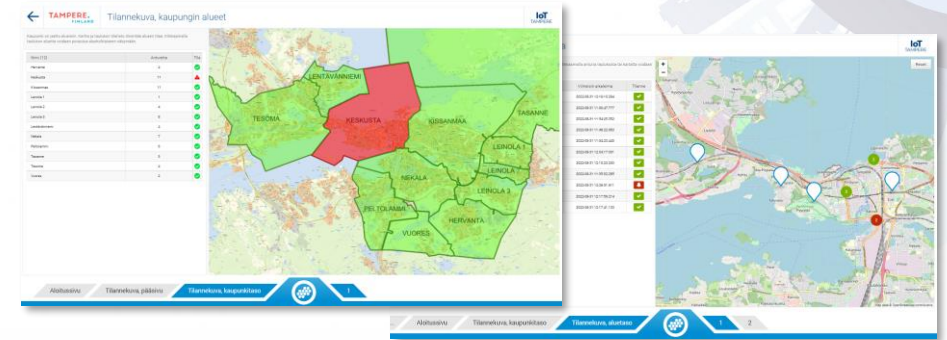


## Urban Areas

Safe and clean

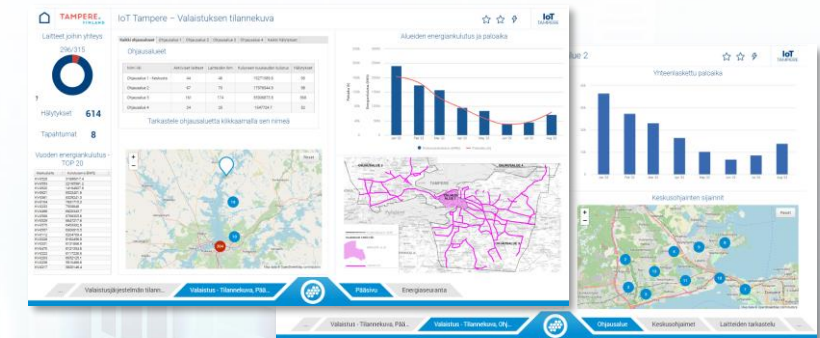
### Solution: **IoT-TICKET® Outdoor Area Insights**

- Optimize maintenance costs
- Enable safe and clean urban areas for citizens
- Data driven planning of urban areas



### Solution: **IoT-TICKET® Smart Lighting**

- Optimize city lighting maintenance and electricity costs
- Improve citizen experience and urban area safety
- Monitor multi-supplier lighting fleet in a single application



*“With the help of the IoT platform, we can automate operations, anticipate maintenance needs and get more detailed information to support planning, decision-making and management”*

**– Milko Tietäväinen, City of Tampere**

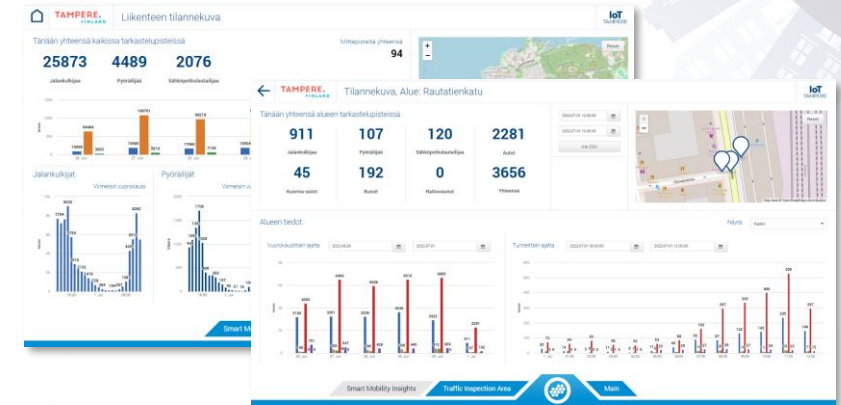




**Mobility**  
Sustainable and easy

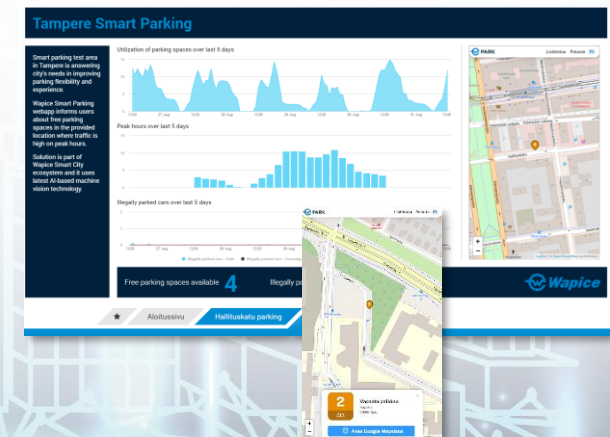
## Solution: **IoT-TICKET® Smart Mobility Insights**

- Optimize city mobility carbon footprint
- Improve city traffic safety
- Traffic data in single application



## Solution: **IoT-TICKET® Smart Parking Insights**

- Optimize parking experience and flow
- Track utilization rates and plan investments



*“The commissioning of the solution was very fast and flexible. The solution is also very cost-effective, as the data provided by the existing infrastructure can be utilised in completely new use cases.”*

**– Markku Niemi, Business Tampere**





# Buildings

Carbon negative and healthy

## Solution: IoT-TICKET® Building Fleet Monitor

- Manage building fleet in a single application
- Harmonize the building data and management
- Analyze building fleet utilizing full lifecycle data
- Optimize energy and space utilization
- Data driven optimization and maintenance planning

*“Business benefits have quickly materialised while working with Wapice. IoT-TICKET® platform enables rapid deployment of value-generating applications compared to traditional software development projects.”*

**– Teemu Hausen, Granlund**





# Energy

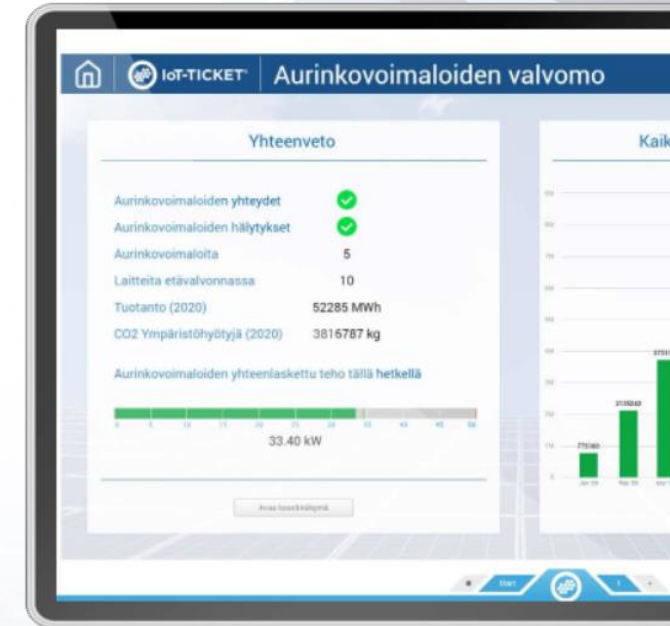
Green and flexible

## Solution: **IoT-TICKET® Green Energy Monitor**

- Monitor and maintain renewable energy power plants
- Powerful and customizable remote controlling
- Demand of elasticity
- Easy to use user interface and dashboards

*“With the help of Wapice’s IoT solution, we have been able to offer Helen’s customers safer and higher-quality solar energy solutions, e.g. through remote monitoring and efficient maintenance services.”*

**– Riku Kuikka, Helen**





**Smart City Platform**  
Open and flexible

## Solution: **IoT-TICKET® Innovation Platform**

- True Smart City ecosystem platform for city partner network
- Create, innovate and share ideas and data
- Enable groundbreaking innovation

*"The use of the platform has attracted interest in various city departments and new use cases are on the way."*

**– Mika Heikkilä, System Manager, City of Tampere**

*"The city acts as a platform for experimenting and developing new solutions. Through carbon neutral solutions, the city opens up its operations, development projects and challenges to businesses and communities to create new business opportunities. The extensive use of Wapice's IoT platform will strengthen Tampere's position as a growing and sustainable smart city"*

**– Maarit Vehviläinen, City of Tampere**





# Enabling innovation ecosystems

The power of  
Open APIs

Low-code /  
no-code toolkit

Marketplace for  
ecosystem services and  
data



OpenAPI  
standard

Swagger  
interface

Analytics and AI

Easy device  
connectivity

Integrate Existing systems

Harmonize and  
standardize data



# Enabling innovation ecosystems

The power of  
Open APIs

Low-code / no-code tools

Marketplace for  
ecosystem services and  
data



Connect and visualize  
data

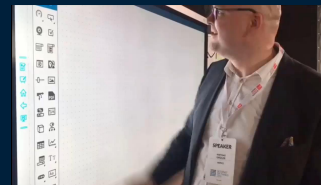
Automate actions &  
reporting

Apply data analytics &  
AI

Enable predictive  
operations

Productize

Introduce new  
smart city services





# Enabling innovation ecosystems

The power of  
Open APIs

Low-code /  
no-code toolkit

Marketplace for  
ecosystem services and  
data



Publish city data to  
the marketplace

API data access through  
marketplace

Innovation toolkit for  
ecosystem

Publish refined  
data & apps

Select free or  
payment scheme

Enable ecosystem  
business





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FUTURE **TODAY**

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