OmaVahti.fi

# Smart devices for savings and safety in holiday rentals

**Practical solutions**
**for tourism entrepreneurs**

**Ville Hellman**
OmaVahti Oy



# A few well-chosen devices are enough



**No expensive or complex automation**

## Easier upkeep

Temperature, consumption and alarms on your phone.

## Less wasted energy

Heating at cheap hours and solar power for own use.

## Better monitoring

Smoke alarms, key safe and a yard camera in order.

OmaVahti.fi

# Build in phases

1

## Monitor and watch

Electricity use, temperatures and alarms.

2

## Control

Heating by spot price, solar power and timers.

3

## Secure and ease access

Smoke alarms, key safe and yard camera.

**The data from the first devices shows what control you really need.**

OmaVahti.fi

# Monitoring and remote watch



## Electricity consumption monitoring

Real-time power. You install it yourself; the grid operator activates the HAN port (new smart meters).

View product →



## Temperature monitoring

Low-temperature and freeze alarms to your phone – no separate hub.

View product →



## Internet connection

Devices need a 2.4 GHz WiFi network. A prepaid SIM helps if there is no internet.

View product →

# Measure first, then control

## Data from the first devices guides the next choices

Measure first, buy control later.

- How much does an empty cabin use?
- How fast does the cabin heat up and cool down?
- When is consumption at its highest?
- Does heating stay on after guests leave?

OmaVahti.fi

# Control on three criteria

### Solar production

Heat when the panels produce – own power for own use.

### Spot electricity price

Shift water heater and heating to the cheapest hours.

### Weekly clock

Timer control by bookings and occupancy.

**Goal: no unnecessary heating – heat at cheap hours and use solar power yourself.**

OmaVahti.fi

# Basic control devices

## PowerANT

Picks the cheapest hours: hours per day, price limit and max pause.

View product →

## MID electricity meter

Accurate consumption and production data as a basis for control.

View product →

## Timer switch

Weekly clock for simple time control.

View product →

## Solar power system

Own electricity for cabin heating and the water heater.

View product →

OmaVahti.fi

# Choose by heating system

### Underfloor heating thermostat

Scheduling and temperature control for underfloor heating.

View product →

### Heat pump remote control

Pump on and off from your phone – preheat before guests.

View product →

### Home/away switch (WiFi)

A simple remote-controlled switch for heating.

View product →

*The best devices depend on the current heating system.*

OmaVahti.fi

# Cabin warm before guests arrive

1

## Booking

Arrival time known in advance.

2

## Preheating

Switch heating on by phone before arrival.

3

## Arrival

Guest takes the key from the key safe.

4

## Departure

Lower the heat to avoid wasted heating.

**Suitable devices:** Home/away switch · Heat pump remote control · Key safe

EASY SETUP

# DIY or electrician?

## You can install yourself

- Electricity HAN reader
- Wireless thermometer
- PowerANT plug (Schuko)
- Key safe and AirTag

## Electrician needed

- PowerANT DIN relay
- Contactor and timer switch
- Underfloor heating thermostat
- Solar power system

Electrical work is always done by a licensed electrician. **Electrician →**

OmaVahti.fi

# Keys and access to the cabin



## Mechanical key box

Combination lock needs no power, WiFi or app – dependable.



## Smart key safe

PIN, fingerprint, card or app. Check the winter operating temperature.

View product →



## Apple AirTag key fob

Backup: find lost keys with your phone.

View product →

# Yard and parking monitoring



## Outdoor surveillance camera

View product →

### Motion sensor

The camera wakes when there is movement in the parking area or by the key spot.

### Automatic outdoor light

Light turns on with motion: the guest sees in the dark and the area is visible to the camera.

### Privacy

Film only the necessary area, not guests' indoor spaces. Tell guests about it.

# Keep smoke alarms up to date

## 10 yrs

**Replace the smoke alarm at the latest when the manufacturer's stated service life (typically 10 years) ends.**

In accommodation premises the operator is responsible (from 1 Jan 2026).

### Interconnectable smoke alarm

10-year battery, 868 MHz wireless interlink – one sounds, all sound.

View product →

### Upgrading an old smoke alarm system

E.g. extending an Ouman system – check compatibility first.

View product →

OmaVahti.fi

# Example packages for cabins

## Starter
Monitoring

- Electricity use
- Thermometer
- Prepaid SIM

## Saver
Control

- PowerANT
- Timer switch
- Heat pump remote

## Solar site
Own power

- Solar power
- MID meter
- Home/away switch

**For every site:** Smoke alarm · Key safe · Surveillance camera · AirTag

SUMMARY

# Start small

### 1 Monitor

Install electricity and temperature monitoring.

### 2 Control

Choose control based on the data and your heating system.

### 3 Secure

Check smoke alarms, key handover and yard monitoring.

**First monitor, then control, and finally automate.**

**Ville Hellman**
OmaVahti Oy

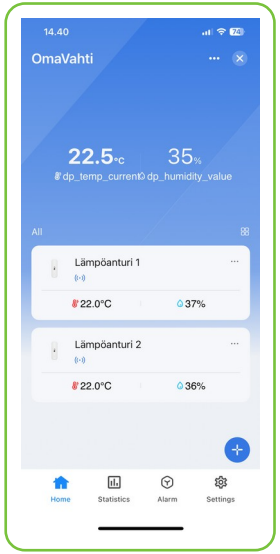
omavahti.fi · Read the blog

# Products in detail

- Thermometer
- Electricity use
- Heat pump remote
- Floor thermostat
- Home/away
- THEMO T700
- PowerANT
- AirTag
- Camera
- Key safe
- Safety phone

# Wireless thermometer



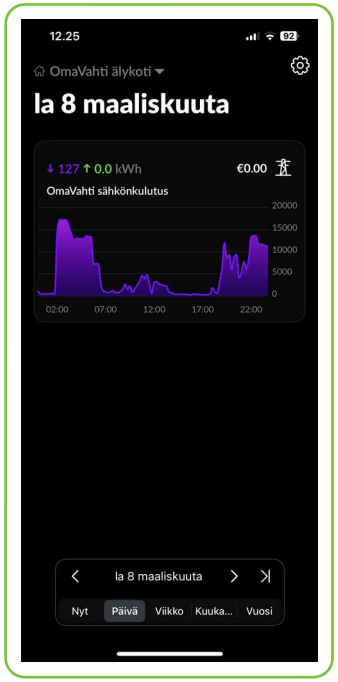




- Temperature and humidity to your phone, 2 sensors (max 10 sensors per display)
- Low-temperature and freeze alarms
- Works on 2.4 GHz WiFi without a separate smart-home hub
- Battery powered (2 × AAA), free TUYA Smart app

[View product in the OmaVahti web shop →]

# Home electricity consumption




- You plug the reader into the meter's RJ12/HAN port yourself
- Real-time power; consumption and production by day, week, month and year
- Choose HomeWizard P1 (WiFi) or Cozify HAN (WiFi + Ethernet)
- The grid operator activates the HAN port

[View product in the OmaVahti web shop →]

# Heat pump remote control







- Remote control for an old heat pump without replacing it
- Ready-made codes for about 8,000 devices, or teach your own remote
- Built-in temperature and humidity sensor, freeze alarm
- Weekly timer: heat before guests, lower after departure

View product in the OmaVahti web shop →

# Underfloor heating thermostat










- Replaces an old combination thermostat, existing NTC sensor works
- Weekly schedule, holiday and frost-protection mode (floor min. 5 °C)
- Air and floor sensors plus floor temperature limit
- 16 A / 3680 W; installed by an electrician

View product in the OmaVahti web shop →

# Home/away switch WiFi

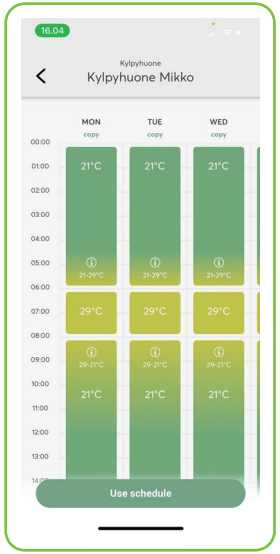



- Switches electric heating between Home and Away by phone or the switch button
- Weekly timer, e.g. HOME mode on Thursdays at 11 pm
- Works without a neutral wire, 220–240 V
- Replaces the wall rocker switch; check suitability with customer service

View product in the OmaVahti web shop →

# THEMO T700 smart thermostat




- Heating by spot price and weather forecast
- Learns the heat storage of the building and floor
- Works as a normal room thermostat even without WiFi
- Replaces the room thermostat; about 30 min for an electrician

View product in the OmaVahti web shop →

# PowerANT spot-price relay




- Automatically selects the cheapest hours of the day
- Three settings: hours per day, price limit and longest pause
- Models: DIN 16 A, 32 A, 3 × 63 A, mini relay 10 A and Schuko plug 16 A
- Free app; DIN relay by an electrician, plug yourself

View product in the OmaVahti web shop →

# Apple AirTag key fob




- Find your keys with the Find My app or Siri
- The Find My network helps locate them from farther away
- Precision Finding: distance and direction nearby (iPhone)
- A backup for key management, not access control

View product in the OmaVahti web shop →

# Outdoor surveillance camera



- Full HD 1080p, 110° field of view, IP65
- Motion detection, LED light and night vision
- Two-way audio, microSD (max 128 GB)
- Live view and alerts in the TUYA Smart app (2.4 GHz WiFi)

View product in the OmaVahti web shop →

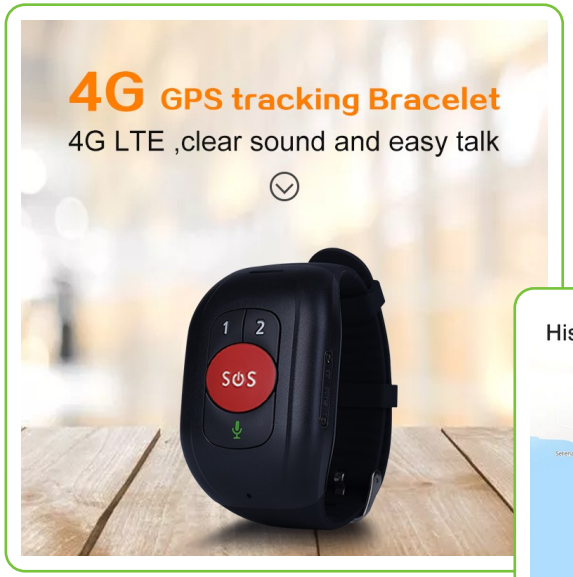
# Smart key safe

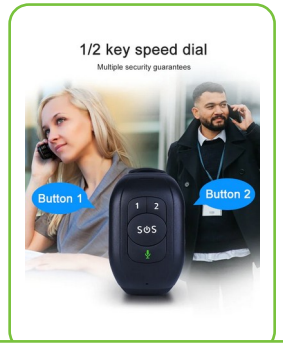


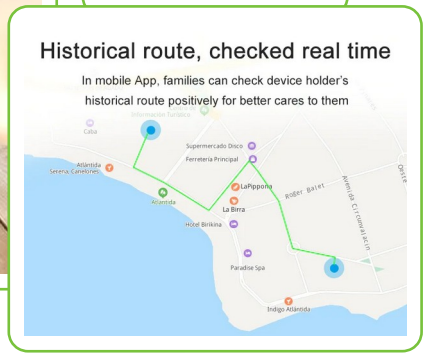
- Opens with fingerprint, PIN code, access card, app or key
- Temporary access for guests and maintenance staff
- IP65, USB-C emergency power; remote control needs a TUYA Bluetooth gateway
- Check the winter operating temperature before outdoor installation

View product in the OmaVahti web shop →

# 4G Safety Phone Wristband




- SOS button calls up to three loved ones, speakerphone
- GPS location as a Google Maps link by text message, GEO Fence area
- Battery life 1–3 days, text warning at 10 % battery
- Silicone wristband, 4G model is water resistant

[View product in the OmaVahti web shop →]