



Company Brochure



Innovative and customer-oriented

More than 30 years ago, ICY originated from a simple, but very effective invention: a thermostat that detects when the room is in use and therefore heats only on demand.

Even today, this invention ensures that holiday parks throughout Europe save significantly on energy consumption.

Innovation is therefore in ICY's DNA. Since the thermostat, many more innovative solutions have been devised and brought to the market.

ICY listens to customers' wishes in the field of energy consumption and efficiency improvement. And by involving them in the development process, ICY can deliver systems that optimally meet those wishes.

Thanks to this approach, ICY is the market leader and has become a strong brand within its target market.



Made in Holland

ICY is located in Lemmer, The Netherlands. All its solutions and products are conceived and developed there by a team of dedicated people. Because quality is of paramount importance at ICY, production and assembly also take place at Dutch companies. In this way we not only stimulate the local economy, but we also have more control over the entire process.

Remote control for various markets

ICY is a highly innovative company that focuses mainly on the leisure and hospitality industry with its products and services. Its clientele includes holiday parks, campsites, marinas and housing organizations. ICY develops total solutions aimed at process improvement and energy saving. We develop both hardware and software for this solution.

Many of our products are Cloud oriented, which ensures a high degree of reliability and flexibility. The starting point for all our products is a 'plug and play' philosophy and a high 'Return On Investment'. We combine the lowest possible investment with a high-quality product that lasts a long time. Quality and sustainability are our pursuit.



In-house R&D department

ICY has its own R&D department. This department translates wishes from the market into widely applicable solutions. This starts at the drawing board. These solutions are further developed down to the last detail in consultation with the sales team.



From idea to product

ICY is a so-called head-to-tail company. The development of new products or solutions starts with us as soon as we receive a specific demand from the market or perceive a need in that market. ICY then develops a product into a workable prototype. When this prototype is ready for the market, a production line is set up at reliable partners in the Netherlands. ICY then does the marketing and sales itself.



Wirelessly connectable smoke and heat detectors

An example of OEM is the Wireless Extension Module that we have developed for use on smoke and heat detectors from Kidde's KF-Range. With this module it is possible to connect the detectors wirelessly. In addition, it is possible to have alarms reported to a central location via ICY-Net.

Original Equipment Manufacturer

ICY regularly cooperates with other parties on an OEM basis. These parties have their own specialty and want functionality added to it. An example of this is the application of our transmitter module. A number of minor adjustments make it possible to make products from external parties wirelessly adjustable or readable.

Our knowledge of climate control is also regularly called upon. This is a highly specialized discipline, in which we have become experts through years of experience. This knowledge is applied in professional solutions of collaborating parties.

We only work with companies that supply high-quality products.



DRU Control Panel

In collaboration with DRU, ICY has developed a solution with which DRU gas heaters can be set by means of a control panel on the wall.

The Control Panel is wired to a module in the stove and communicates wirelessly with the reception or Cloud server.

As a result, the fireplace is only activated when there is a booking on the accommodation. The fireplace is switched off when no one is present. This improves security. Technical personnel can also read information from the fireplace wirelessly.

Customer-specific development

ICY has developed specific products for various customers that the customer wants to market themselves. In cooperation with the customer, the R&D department of ICY examines how a specific wish can best be translated into a solution. This can be a hardware solution, but in some cases also a software solution.

Examples of customer-specific developments that ICY has done:

- E-thermostat, a thermostat that can be operated remotely with an app
- Remote opening and closing of an entrance barrier
- A control panel for gas heaters (see above)
- A registration system for crop cultivation



The patented ICY-Net

The patented ICY-Net is a wireless network developed by ICY itself. Because devices equipped with an ICY-Net module can send and receive, each device forms a node in the network. This makes it virtually endlessly expandable. It is also an interference-free network, because it communicates on a low bandwidth and information finds its own route until the right device is reached.

The connection to the internet can be made via the so-called ICY-Net bridge, so that a local network can be reached remotely.

These properties make ICY-Net very suitable for various applications. Four ICY management software systems integrate the network with a user interface, making setting up and reading out devices even easier. These are ICY Accommodation Management, ICY Campsite Management, ICY Marina Management and ICY Housing Management.



Grip and savings on holiday parks

Holiday parks in the Netherlands and abroad benefit from ICY Accommodation Management.

By using the energy-saving Timer Thermostats, an average of 35% is saved on the energy bill.

By being able to respond in time in case of fire, frost and burglary, a lot of costs can also be saved.



Timer
Thermostats



Power
and frost alarm



Pressure
gauges



Burglar alarm



Smoke and heat
detectors



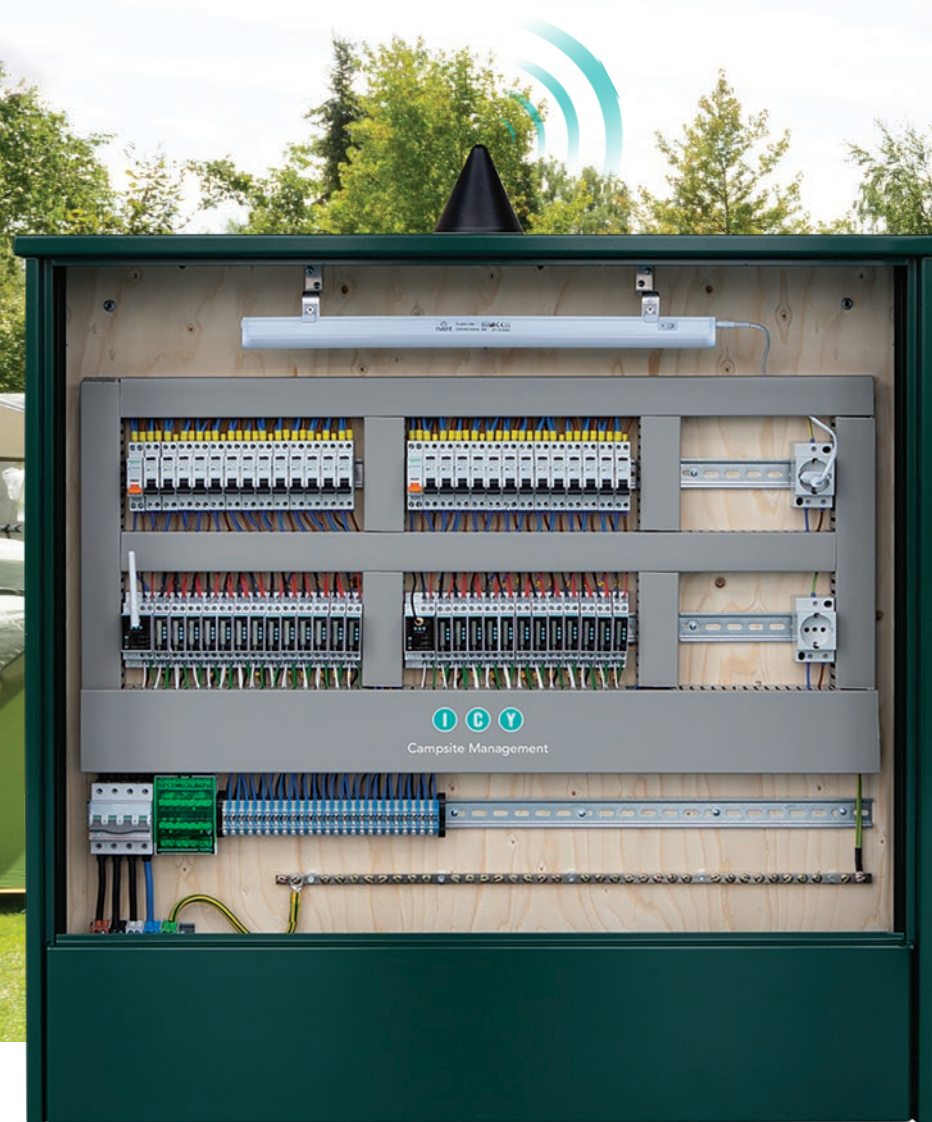
Energy meters

ICY Accommodation Management

ICY Accommodation Management is the system for park managers who want to have a grip on their holiday park. More than 140 parks work with this wireless management system and save a lot of money because the heating is never on unnecessarily.

Technical service employees swear by it, because they see problems in accommodations in time. Problems such as low central heating pressure and voltage drops can be proactively solved before guests experience discomfort.

- Assign wireless amp limits
- Limit high energy consumption
- Get insight into energy consumption of guests
- Low investment in infrastructure
- Payment based on prepaid credit
- MID certified



ICY Campsite Management

With ICY Campsite Management it is possible to remotely set and read the electrical connections on camping pitches.

In this way, for a low investment, the campsite manager gets a grip on the electricity usage and consumption per pitch.





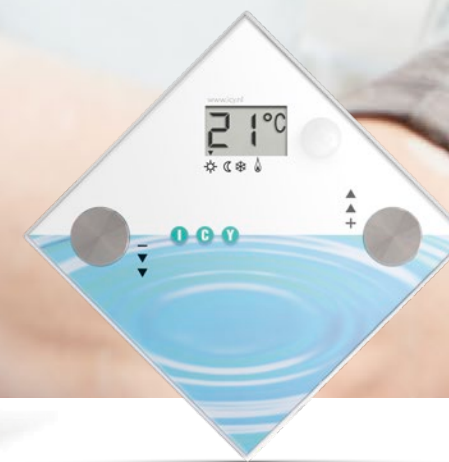
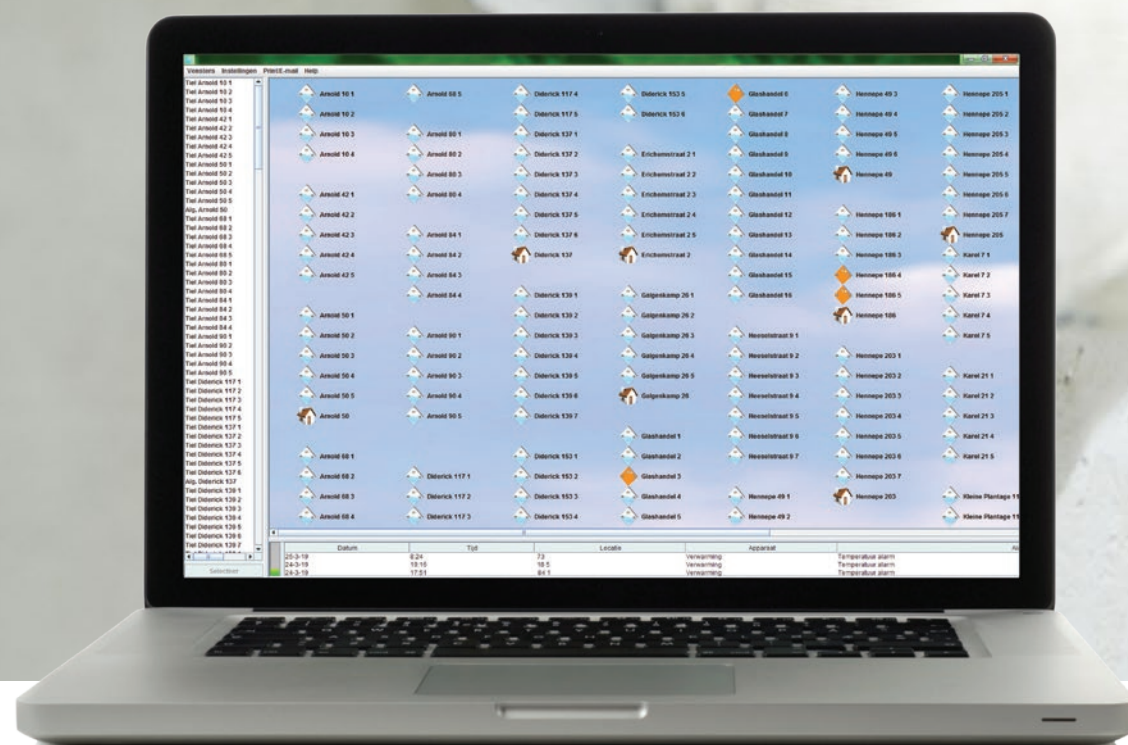
- Assign amp limits wirelessly
- Limit high consumption
- Read out energy consumption
- No modification to the infrastructure



ICY Marina Management

With ICY Marina Management it is possible to remotely set and read the power points on berths of a marina. Linked to the reservation system, power points are only switched on when necessary. With the app that comes with it, fixed girders can switch off their power point when they are out with their boat.

- Save significantly on the energy bill
- Get insight into thermostat usage remotely
- Receive alarms in the event of sabotage, open windows or central heating failure
- Easy to move to other locations



Saving energy for housing providers

Nowhere is the efficiency of our systems as high as with customers who house workers. Thanks to smart functions, the heating is only on when necessary. Because workers often come from countries that work with district heating, they are less aware of energy consumption and its costs.

ICY's energy-saving systems have a number of useful functions that ensure that considerable savings can be made on the energy bill. In combination with the ICY Gateway, all settings of this thermostat can be adjusted remotely and it is also possible to see whether tenants are trying to sabotage the system. In addition, the accommodation can be fully monitored and notifications are passed on in case of deviations.

Smart preheating

ICY Peak Management takes the purchased upper limit of energy into account when preheating the homes. If many homes need to be heated at the same time (for example just before the Christmas holidays), heating is done in phases to prevent a peak. Because ICY Peak Management provides safety margins, a lower upper limit can be purchased.



ICY Peak Management

ICY Peak Management is a module of the ICY wireless management systems. As soon as the systems signal that the upper limit may be exceeded, an alarm phase is initiated with associated measures that immediately ensure a reduction in gas or electricity consumption.





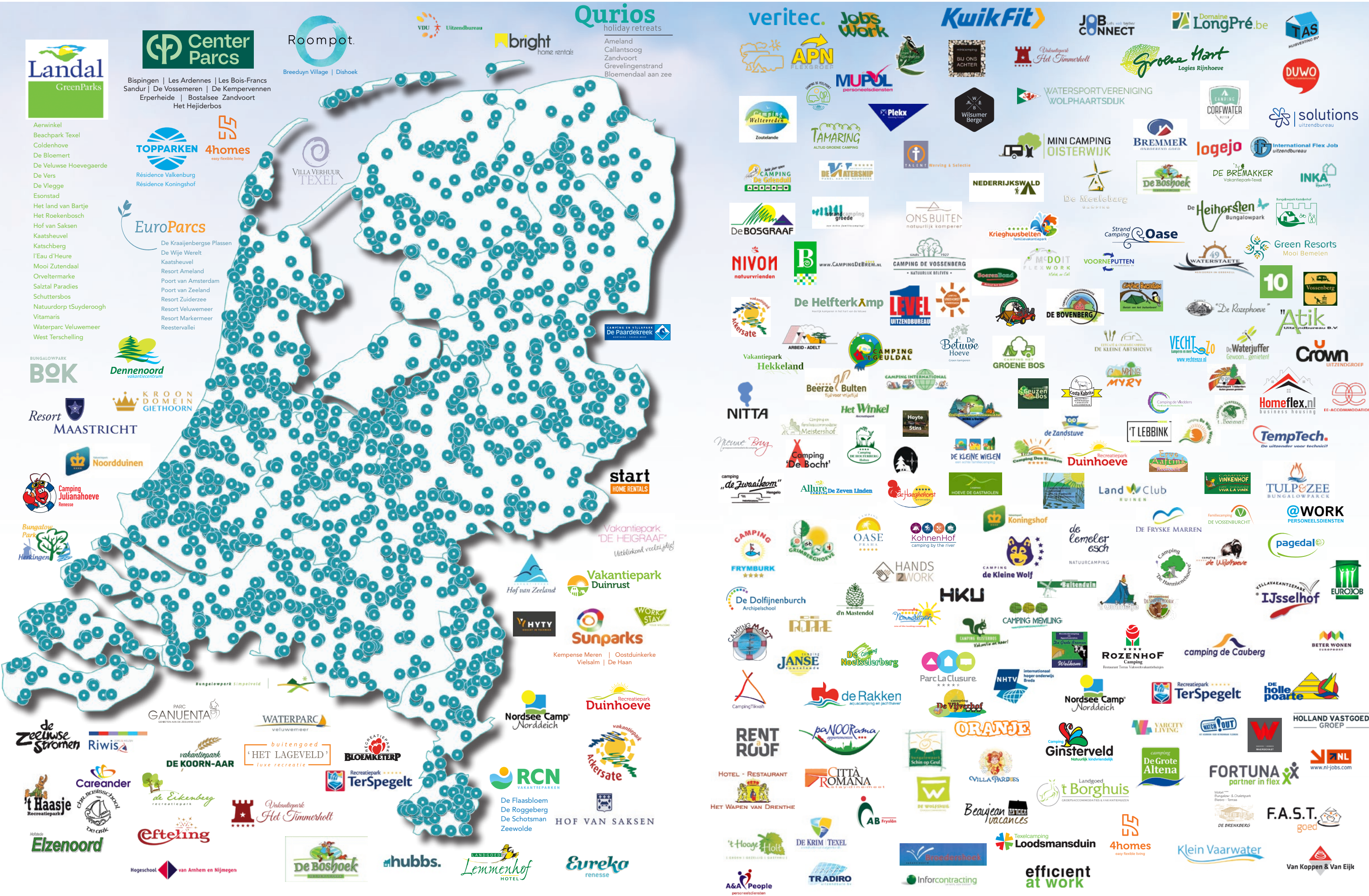
High level service

ICY has its own service department. Our customers can come here with all their questions about our products and systems. In addition, this department also monitors all wireless systems remotely. Should malfunctions occur somewhere, we proactively look for a solution, so that our customers experience no or as little disruption as possible in their business operations.

We can also provide support on location if necessary. We have experts on the road who can solve problems or carry out repairs on the spot.

With thousands of customers throughout Europe, we always try to provide the best possible service.

A selection of the customers of I.C.Y. B.V.





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