




resideo

Energy Management

Smarter management
along the energy journey



Introducing Resideo Energy Management

Reshaping the energy journey, together



The transition to a decarbonized world is underway, and we’re all feeling the effects of an increase in demand for power that’s outstripping supply. The way we use energy needs to change.

It’s why our global teams are working hard to reshape key parts of the energy journey, with innovative hardware and services.

Together with our partners, we’re empowering consumers, businesses and organizations to better manage and conserve our shared energy supply. We’re optimizing and simplifying the energy journey to create a system that’s smarter, more efficient, sustainable, and reliable.

It’s all part of our vision of a world where homes and buildings can do good for the planet.



Utilities



OEMs



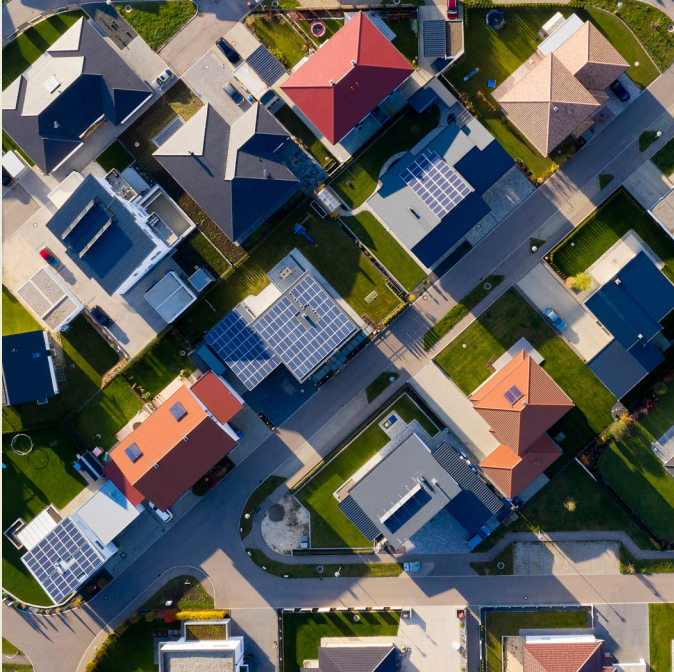
Partners



Installers



Consumers



Simplifying the way to optimization

We’re making it simpler for everyone to efficiently manage energy and make sustainable choices, wherever they are on the journey.

Utilities

Harnessing the power of big data to help protect and support the grid

As energy is increasingly vital to our way of life, protecting the supply and flow of energy is extremely important. We provide services for utilities to set up and expand their Demand Response programs to help conserve energy during critical times and protect the integrity of the grid.

As consumer demand for products like electric vehicles, heat pumps, and smart thermostats increases, homeowners are looking to switch their gas appliances for low-carbon electric models. Together with our trusted installer network and utility partners, we're supporting

this shift by introducing behind-the-meter technologies to help reduce power usage at times of high electricity demand.

Our smart home technology solutions, combined with our product data and insights, are designed to support our utility partners' Demand Response programs and help unlock savings for the grid.

Learn more at:

connectedsavings.com/demand-response

23 GWh of energy shifted since 2012

In the summer of 2022 alone, we helped shift 7.3 GWh of energy during the most stressful times on the US electrical grid, and have shifted more than 23 GWh of energy in total since 2012.



OEMs

Supporting the solutions of tomorrow

The next generation of consumer electronics needs to meet strict energy efficiency standards; the Inflation Reduction Act (IRA) and EU mandates for high performing buildings being recent examples. At Resideo, we're sharing our expertise to help OEMs adapt.

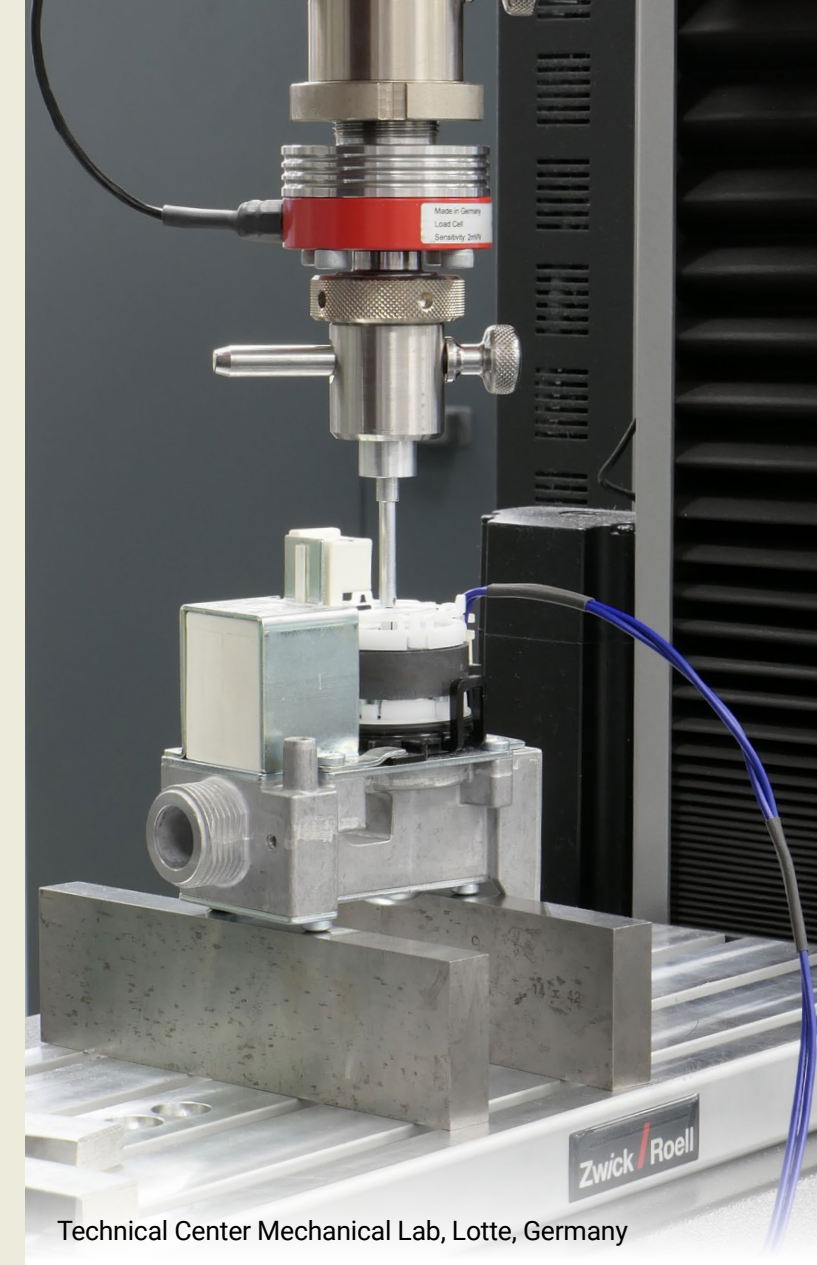
We offer a unique portfolio of solutions including data, components, and energy efficient gas adaptive and hydrogen-ready products that help OEMs prepare for decarbonization regulation and meet efficiency goals.

Get hydrogen ready

We've developed universal systems and solutions that support the use of hydrogen and simplify installation and manufacturing to help customers, installers and consumers move from natural gas to hydrogen.

Supercharge your network

Demand management at the individual home level is increasingly more important, as growing demand for electrical appliances places more pressure on the grid. We provide OEMs the opportunity to enter the Demand Response market with minimal upfront cost and time-to-market, while gaining access to our wide network of utility programs, wholesale energy markets and over 63 million energy meters.



Technical Center Mechanical Lab, Lotte, Germany

Valves fit for a H₂ future

Developments made at our cutting-edge green technology center in Lotte, Germany are helping prepare for a hydrogen fueled future.

In collaboration with Kiwa, a global testing, inspection and certification consultancy, we've produced valves that are now confirmed hydrogen-ready.

Partners

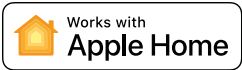
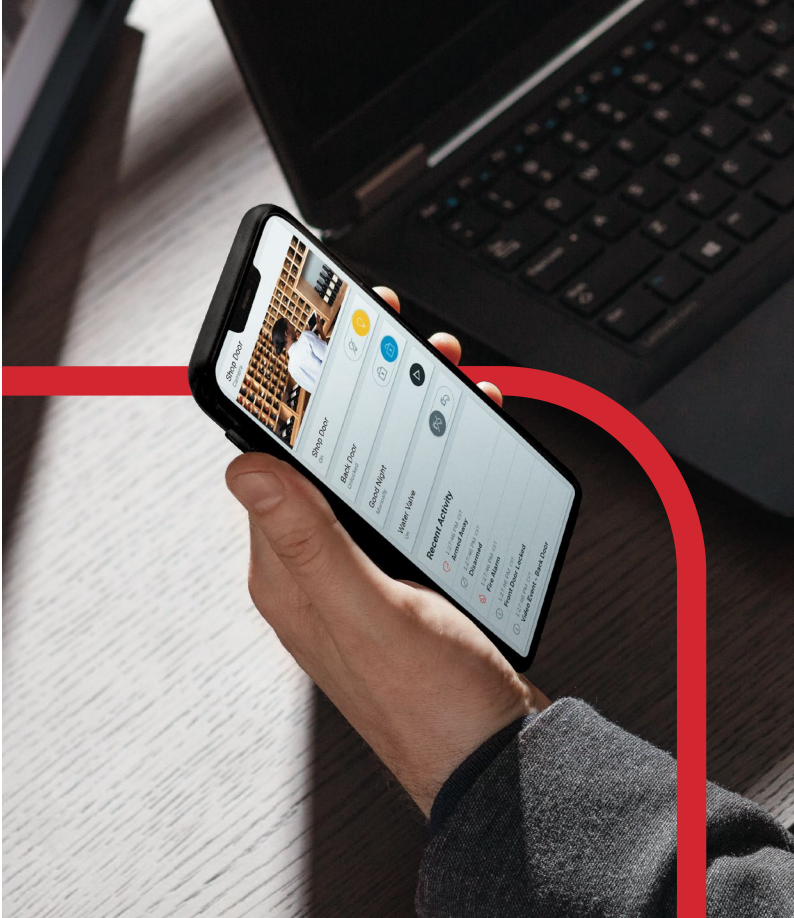
Pioneering solutions to optimize energy

We're reshaping key stages of the traditional energy journey, paving the way for companies and industries of all types to optimally manage their energy.

We are able to customize and deliver new solutions together with partners who share our ambition, and have the appetite to go further in the energy journey.

Our data, technology and skills when combined with equivalent partner attributes are starting to deliver innovative solutions and products.

From enabling insurance companies to deliver lower premiums to their customers, to supporting automotive manufacturers in contributing to grid stability, our energy management is helping transform the journey of energy with key partners.



Scalable partnerships

Our partnership capability can scale. From providing smart home access via open APIs with leading brands to helping set smart home standards through our memberships; we are committed to pioneering intelligent change. We're a founding board member of the Connectivity Standards Alliance and member of the Home Connectivity Alliance.

Installers

Equipping the leaders of the energy transition

As efficiency standards tighten, we're seeing a revolution in the heating industry with consumers shifting from gas boilers to heat pumps, and from radiators to underfloor heating. It's a challenge for everyone to adapt, including installers.

We've developed sustained and longstanding partnerships with our global network of

installers who rely on Resideo products and solutions to help service their customers.

With 16 ENERGY STAR rated thermostats available, we're enabling installers to retain and grow their businesses by equipping them with the latest hardware and services that help save consumers energy and money. Together, we're playing a key role in the energy transition.

There are plenty of reasons why installing our products makes good business sense

- **Become the installer of choice** by standing out as a leader in energy efficient solutions.
- **Build trust with your customers** by helping them take advantage of government-funded incentives and rebates.
- **Increase your monthly revenue** with our smart thermostats which integrate with security, water management and smart home services.
- **Access PERKS bonus points and incentives** by encouraging the adoption of Demand Response product enrollments.



Consumers

Unlocking energy savings with insights

We help people protect what matters most to them. Our devices provide insight and analytics to uncover opportunities to save on energy, use fewer natural resources, and extend the life of your equipment.

Working both on and behind-the-wall, our ever-expanding range of energy efficient products enables smart ecosystems that connect the most vital areas of buildings, for approximately 9.4 million customers.

From WiFi Programmable and Smart ENERGY STAR rated thermostats to the latest energy efficient heating equipment including heat pumps and hydrogen ready boilers, our connected solutions reduce energy costs and provide key insights to optimize energy.



Our products also enable consumers to support the energy grid as more pressure is placed upon it. They're designed to allow users to reduce or shift their electricity usage during peak periods, through TOU tariffs. Together we can help avoid blackouts by using less energy and lessen our environment impact. And in 2022 our connected devices helped save enough energy to power 200,000 homes in the US.

Moving forward, we're using our 130 years of experience to help people work on the future of the energy journey. Combining artificial intelligence with our product data and insights will help provide even greater control and efficiency for our customers.

*Honeywell Home T5/6 Smart Thermostat with a high use of the scheduling features ran central heat pumps 8–14% less, gas boilers 13–16% less, and air conditioners 10–13% less than basic connected thermostats with a low use of the scheduling feature, observed from over 5,000 similar homes in IN & OH in 2019.



Up to 8–16%
saved on energy*

With our T5/6 Smart Thermostats, consumers have saved up to 8–16% on energy by optimizing their usage.*



The upgrades we have made to our Nagykanizsa, Hungary manufacturing site have been recognized by the Hungarian government with the Energy Efficient Company award three times since 2018 for different energy saving initiatives, including for the use of solar panels in 2021.

*EcoVadis is one of the most reputable benchmarks in the world. Silver status represents Resideo's score of 59 and the EcoVadis industry average score in 43.

Solutions for a better tomorrow

Our 130 years of product data and insights provide us with a unique foresight to develop the next generation of solutions.

We're combining our diverse product range, data insights and network of installers to help our partners understand and meet their customers' needs now and in the future.

Our solutions are already making a difference today, simplifying how we save, shift and supply energy.

And as a further demonstration of our commitment to a sustainable future, we're proud to have achieved a Silver rating from EcoVadis.*

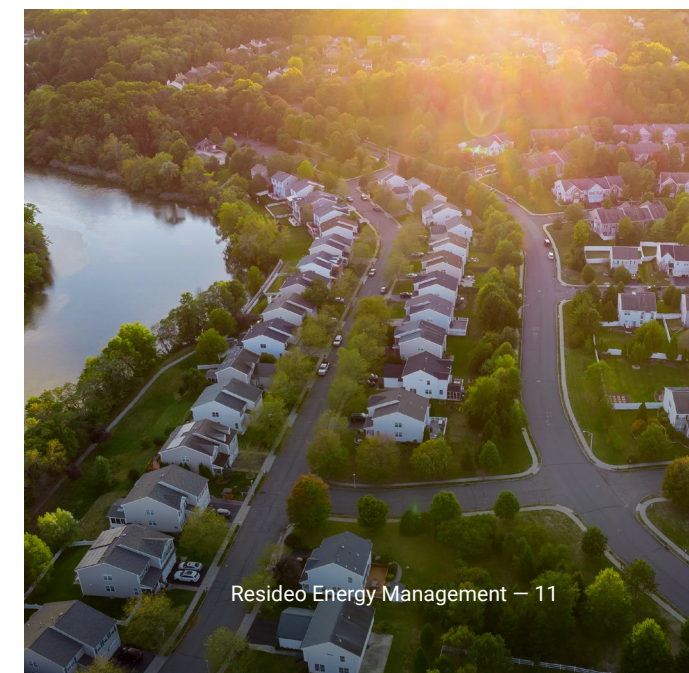
We'll continue to collaborate with our tech partners and industry leaders, driving standards and pioneering change to reshape the energy journey.

Together we'll protect what matters most, today and for generations to come.



For more information visit:

resideo.com/energy



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resideo.com

Resideo Technologies, Inc.

16100 N 71st Street, Suite 550
Scottsdale, Arizona 85254
Office: 480.573.5340

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