

Panasonic

BUILDING AND CONSTRUCTION
Better building
from top to bottom



Healthy, comfortable
and energy-efficient



Built on a foundation of smart thinking

To create homes that stand out, you need building systems and products that stand out. Panasonic innovation can help you stay ahead of the curve with the kind of leading-edge features that buyers value most.

Fully customized to your needs

Whether you're a builder, contractor, building owner, engineer, architect or designer, you'll find we offer a complete range of smart solutions to enhance health, comfort and efficiency. Even better, we work closely with you to ensure these solutions satisfy the specific requirements of your job.

From single-family homes and condos to senior living and university housing, our team takes a holistic approach to creating better living spaces, including system design, consulting and support. If you have questions, we have answers. If you have challenges, we have solutions.

Here are just a few of the ways we can help you construct better homes and commercial buildings:

- Heating and cooling for the most demanding environments
- High-performance, code-compliant ventilation and Indoor Air Quality (IAQ) solutions
- Highly efficient and cost-effective residential solar
- Appliances that save energy with improved performance
- Modern smart device control
- Connected devices for site crews and field work



Leading builders such as Lennar, Pulte Group, LIV Communities and KB Home depend on our technologies in their homes.

Eco-conscious solutions that are cost-conscious, too

Ventilation concerns? Breathe easier

For over 20 years, we've led the way in Indoor Air Quality solutions that remove moisture and pollutants, creating healthier single- and multi-family living spaces. Because powerful ventilation is so essential, we develop low-cost solutions flexible enough for virtually any environment. Like our fully customizable WhisperGreen® Select™ ventilation fans, offering 250+ IAQ solutions, all in one fan.

Because energy efficiency is central to most everything we do, we've created advanced Energy Recovery Ventilators. This technology not only exchanges air with the outside to maximize IAQ, it warms or cools incoming air on entry to lower energy bills.

Sensing changes in the air

In the near future, builders will be able to take advantage of our integrated, smart home IAQ systems. Equipped with built-in intelligence, these systems can monitor the indoor environment and automatically manage moisture and pollution.



Cooler tech for cooler homes

Surpassing traditional HVAC systems, our ductless and ducted heating and cooling systems offer optimal comfort and zoned control for all seasons, while lowering operating costs.

With groundbreaking Inverter® technology that can vary compressor speed, these systems can heat and cool a room much faster at startup than non-Inverter models. Once the desired temperature is reached, our systems can regulate compressor speed by just the amount needed to maintain that comfort level, significantly reducing energy usage.

Comfort meets efficiency

Have you ever considered how much energy is needlessly wasted with traditional heating and cooling systems? We have. That's why we developed our industry-exclusive ECONAVI sensors to continuously monitor a room's cooling needs. These high-precision sensors can reduce cooling in vacant rooms or unoccupied areas of a room, and automatically increase or decrease cooling based on a room's activity level.



+ Solutions

- Advanced solar energy generation and storage
- Innovative ventilation fans and Indoor Air Quality solutions
- Energy-efficient heating and cooling
- Industry-leading vacuum insulation panels
- Interior finishings and space management
- Built-in kitchen appliances
- Rugged Toughbook and Toughpad devices
- Office communication innovations
- Large-scale security solutions

★ ★ 8 STRAIGHT YEARS
 ★ ★ Panasonic ECO Solutions has once again
 ★ ★ been recognized by the U.S. Environmental
 ★ ★ Protection Agency as an ENERGY STAR
 ★ ★ Partner of the Year for Sustained Excellence.

Hard working, forward thinking

Magnifying the sun's power

After 20 years of producing high-quality, high-efficiency rooftop solar modules, we continue to shine brighter in performance and reliability.

Our state-of-the-art heterojunction (HIT) panels provide impressive efficiency throughout the day, even at high temperatures when conventional panels often go weak. This superior performance is due to a number of innovations:

- A unique cell structure that uses an ultra-thin amorphous silicon layer to reduce carrier loss
- A pyramid structure on our panel surface that reduces reflection and increases absorption of sunlight
- A bifacial design that captures sunlight from both sides

With our industry-best 25-year product and performance warranty, you and the buyers you serve can feel extremely confident in this long-term, energy-saving investment.

Solar advances on the horizon

For consumers who want the benefits of solar without panels, we'll be producing the photovoltaic cells and modules that power solar roof tiles. Not only will these tiles have the appearance of a more traditional roof, they'll work seamlessly with energy storage products for the home.

Insulation innovation

Vacuum insulation panels are another Panasonic innovation that promises to change the industry. Rated at an amazing R63 per inch, with 20 times the performance of standard urethane foam, this heat-loss breakthrough has uses from flooring to hot water tanks.

Reinventing the kitchen

While many of our solutions improve quality of life behind the scenes, our built-in appliances do it front and center:

- Induction cooktops offer precision temperature control
- Microwaves with Inverter® technology produce constant energy flow for even, consistent cooking

Taming the jobsite

At Panasonic, our solutions for the job include the tools you need to oversee it. With our powerful Toughbook mobile computers – built to survive 6-foot drops and dusty, wet environments – we're the undisputed leader in rugged.

90.76%
OF RATED POWER
After 25 years, our solar panels
will continue to deliver far higher
performance than conventional panels.



> Technologies that move us toward a better life and world

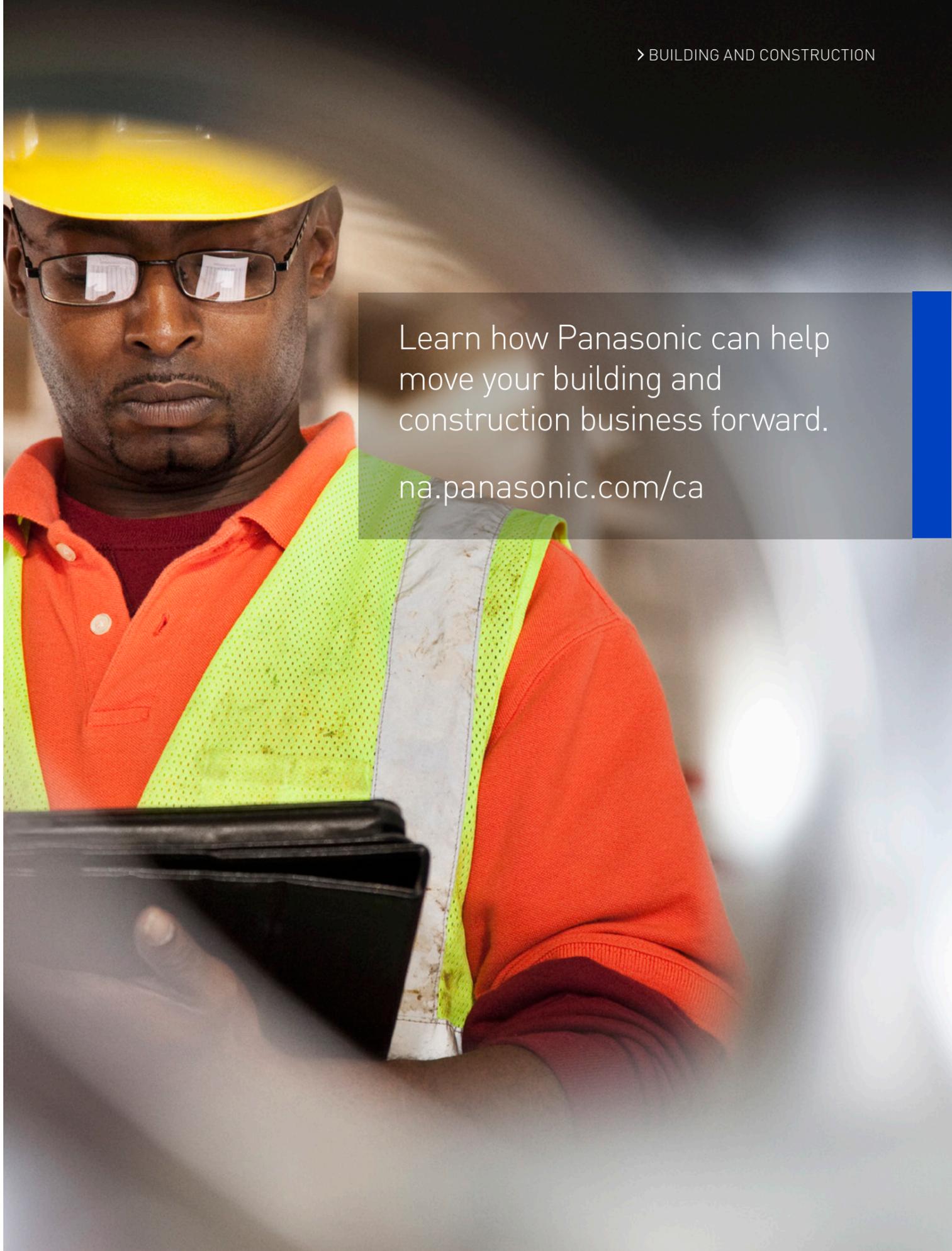
At Panasonic, we anticipate the future, innovate continuously and integrate disruptive technologies into breakthrough solutions for our customers. Our goal? Create technologies that move us toward a better life and a better world. We provide integrated solutions in these four areas:

Sustainable Energy that advances eco technologies and transforms industries

A Connected World that meets today's information, connectivity and mobility needs

Immersive Experiences that turn live events into unforgettable, personalized experiences

Integrated Supply Chain solutions that bring intelligence and insight to how products are made, shipped and sold



Learn how Panasonic can help move your building and construction business forward.

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