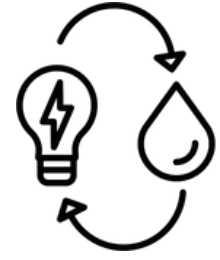




NANO-GRID



NANO-MANAGER

HARVEST3 SOLUTIONS

Modern home management solutions for waste, water, and energy independence.

DESIGNED FOR THE FUTURE OF LIVING



Old energy is
leaving.

New energy is
entering.

Great things are
coming.

01

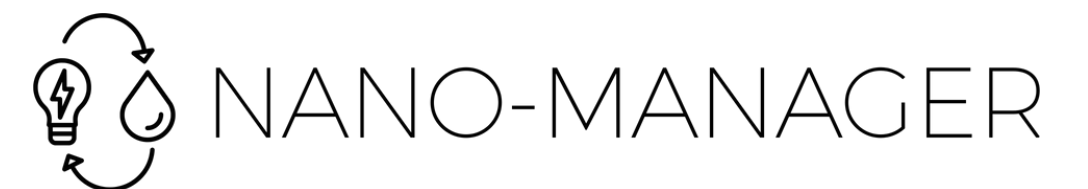


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After years of frustration in the solar industry, our team recognized a dire need for change. Through our own personal experiences, we formed Harvest3, a company built to initiate major shifts in the utility industry - one which makes energy independence a reality for homeowners.

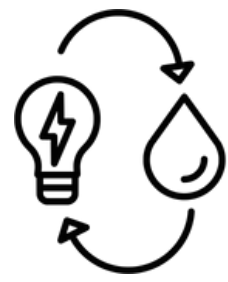
Our all-in-one approach to grid-independence brings the power of a utility company into the comfort of your own home. By managing your energy, water, and waste, Harvest3's Nano-Grid + Nano-Manager systems ensure that all aspects of your home are running smoothly. This collaboration between hardware and software provides you with the most intuitive home ever built.

NANO-GRID

Nano-Grid is an intelligent suite of utility systems, appliances, and sensors that function autonomously to provide homeowners with grid-independence, cost savings, and total home-efficiency. It is a system designed with the homeowner in mind - one which exemplifies green living, grid-independence, and waste reduction.

Nano-Grid works intuitively by adapting to changes in indoor & outdoor climates, temperature, water usage, energy consumption, and waste production to lower operating costs and maximize efficiency. On a whole-house, total-environment basis, the platform takes in a wide array of information and leverages our Nano-Manager software to send energy and water where it is needed most.





NANO-MANAGER

Nano-Manager is our proprietary software platform and the brains behind the Nano-Grid solution. Nano-Manager works 24/7 to intuitively monitor and control every aspect of your home - making real time decisions on the most cost-effective use of your resources.

Nano-Manager operates behind the scenes to direct the flow of energy and water, inside and outside of your home. Its function greatly reduces your dependence on municipal utilities - prioritizing self-produced resources, and only relying on grid power when absolutely necessary.

Whether it turns off appliances when they are not in use, or pre-cools your home before a heat-wave, decisions like these perpetually increase your home's efficiency - constantly evolving to ensure your budget, comfort, and independence remain secure.



A comprehensive approach.

An intelligent system manages your utilities behind-the-meter to maximize your cost savings.

Waste

Intelligent sensors track your waste streams and offer you guidance to effectively reduce your cost and footprint.



Water

Advanced rainwater catchment system leverages nature and operates as your source of non-potable water (flushing toilets and landscape irrigation).



Energy

Solar-power is captured and stored on-site to provide energy for your home and appliances - even during a power outage,



Our most valuable resource.

The problem

Toilets and irrigation make up over 32% of residential water usage in the US, and homeowners rely on highly treated municipal sources for these purposes. These inefficient practices place added stress on the grid and perpetuate water shortages.

Our solution

Nano-Grid addresses inefficiencies in current water-use practices by incorporating a rain catchment system into your home. With minimal filtration necessary, **our rainwater catchment system can reduce your water consumption rate by up to 40%** by flushing toilets and enabling irrigation with free water from your roof.



The problem

As a homeowner, the cost of waste management can easily rival that of your water and electricity bills. Additionally, over 75% of residential waste goes unrecycled, but by providing the necessary receptacles and tracking solutions the amount of waste that gets recycled correctly can drastically increase.

The Solution

Our intelligent solution tracks and monitors your waste production and alerts you when it is the most efficient time to dispose of your trash and recycling. Over time, the system recognizes your waste patterns and can suggest implementations for waste reduction as they become available.

Waste simplified.



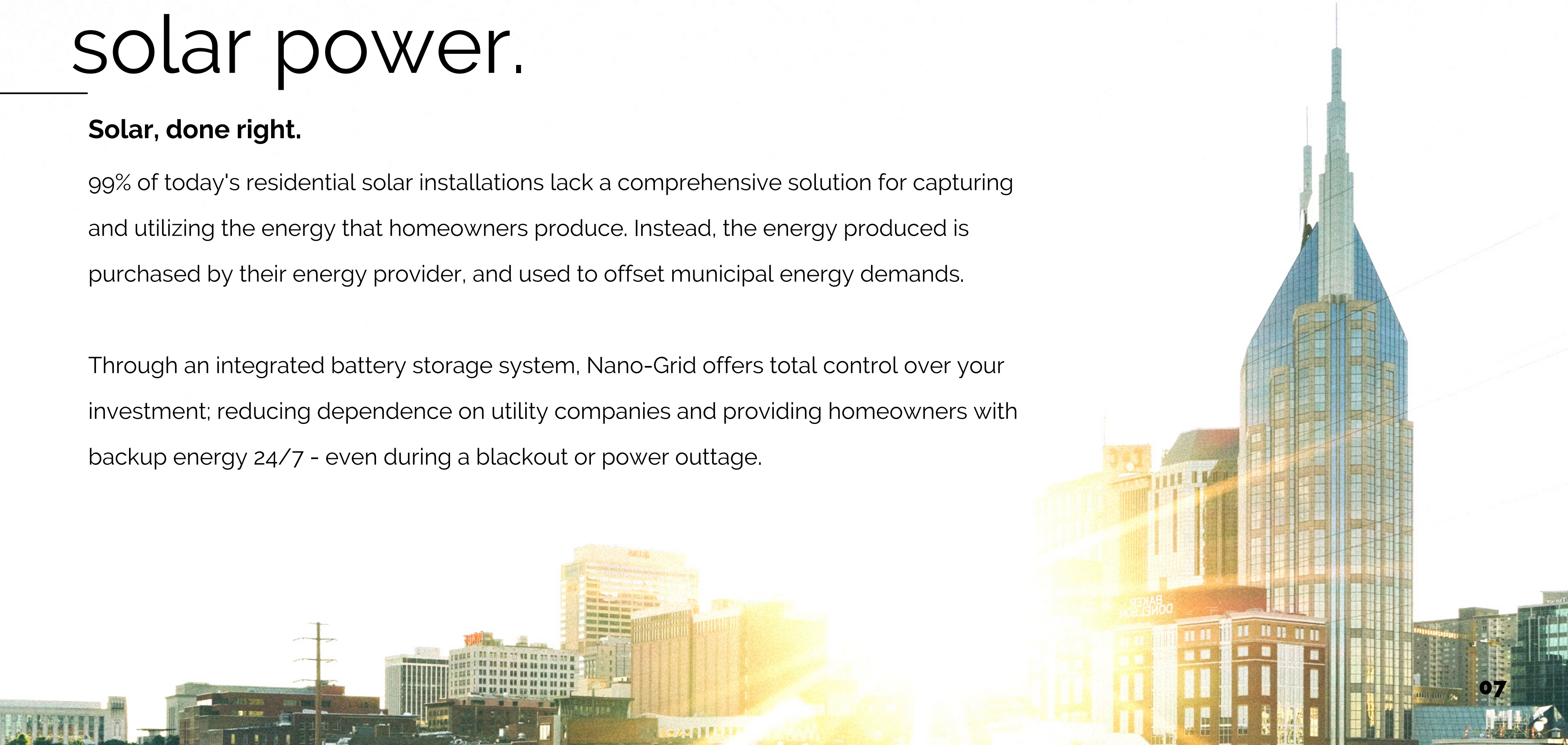
Big change in the world of solar power.

09

Solar, done right.

99% of today's residential solar installations lack a comprehensive solution for capturing and utilizing the energy that homeowners produce. Instead, the energy produced is purchased by their energy provider, and used to offset municipal energy demands.

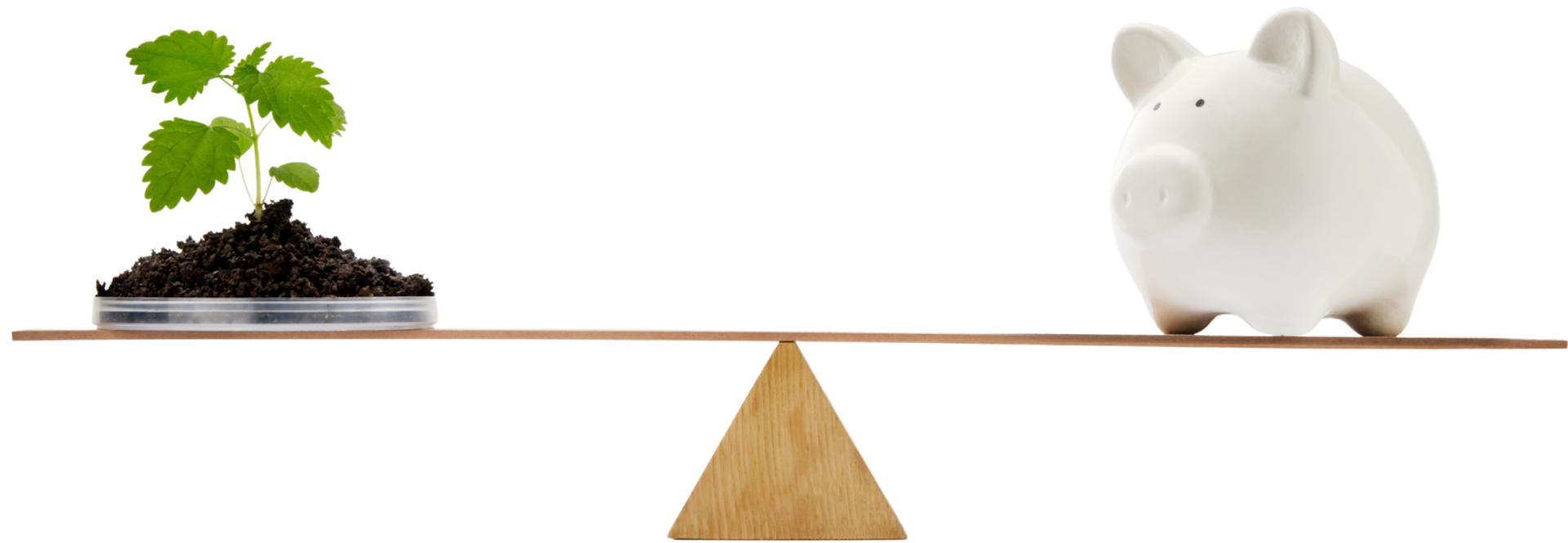
Through an integrated battery storage system, Nano-Grid offers total control over your investment; reducing dependence on utility companies and providing homeowners with backup energy 24/7 - even during a blackout or power outage.



07

Energy Independence

Nano-Grid moves your utilities behind-the-meter, creating the perfect balance of energy efficiency and cost-savings.



48V LED lighting

LED technology offers one of the most efficient forms of lighting available. Coupled with our solar technology and behind-the-meter approach, Nano-Grid continuously adapts to bring you elegant, energy-efficient illumination at any time of the day.

Heat-pump HVAC & Water Heating

Over 50% of household energy usage comes from air-conditioning and water heating. Therefore, using heat-pump technology in this space can significantly maximize efficiency. In addition, because these solutions run on electricity, they can be strategically powered by solar to keep the majority of household energy usage permanently low.

Appliances

Our systems make informed decisions to maximize your solar power's potential, and offset energy demand between appliances that are on-idle and those that are in use.

Lower bills, for life.

Choosing the right systems for your home can be the single-most impactful solution for lowering your utility bills.

The most demanding systems in your home are those that control your climate, water, and energy, and they are the low-hanging fruit when trying to find ways to reduce your cost of living. However, many of these systems undergo neglect or remain an afterthought in the home-building or buying process. By simply choosing the suitable designs for your home and placing them on one system, homeowners can avoid costly bills and inefficiencies.

Our Nano-Grid and Nano-Manager combination is a value-producing paradigm shift in home automation. Instead of managing utilities, appliances, and devices separately, our Nano-Grid system unifies these items into one cohesive network. Through this system, **we effectively reduce the operating cost of your home by 50%** - making it more valuable, and decreasing your reliance on municipal infrastructure and operations.



What are the benefits?

Budget.

We proactively save you money by reducing the amount spent on monthly utility bills, and storing excess energy for future use.



Security.

We protect you and your home by isolating you from grid-based failures, such as storms and blackouts, and by utilizing on-site resource storage.

Independence.

We promote energy independence by capturing and applying your resources in the most effective way possible.

What's included?*



- Control Module and Nano-Manager Software
- Solar panels
- Electricity storage
- Rainwater storage tank
- Rainwater pump
- 48-volt switching power supply
- 48-volt lighting fixtures
- Heat-pump HVAC
- Energy recovery ventilator
- Heat-pump water heater
- Water level & flow rate indicators
- Indoor & outdoor air quality sensors
- Indoor & outdoor temperature sensors
- Indoor & outdoor humidity sensors
- Barometric pressure sensors
- Ambient light sensors
- Fire / CO2 detection
- Grid connectivity
- Electric refrigerator

Contact Us

To learn more, or to find a Nano-Grid enabled home near you.

www.Harvest3.com

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