

**Market profile title**

Hikvision's solar-powered solution protects New Zealand construction site

**Enews sound bite:**

Guarding your site with solar-powered cameras

**Market profile content:**

In the midst of a rise in building material thefts, construction company DECHO used Hikvision's solar-powered wireless cameras to guard the construction site for its much-anticipated Coast Garden project.

**The challenge: Safeguarding valuable materials at the temporary building site**

Building material shortages and rising prices fuelled a rise in construction site thefts in New Zealand, which has prompted worries among builders, project managers, and contractors.

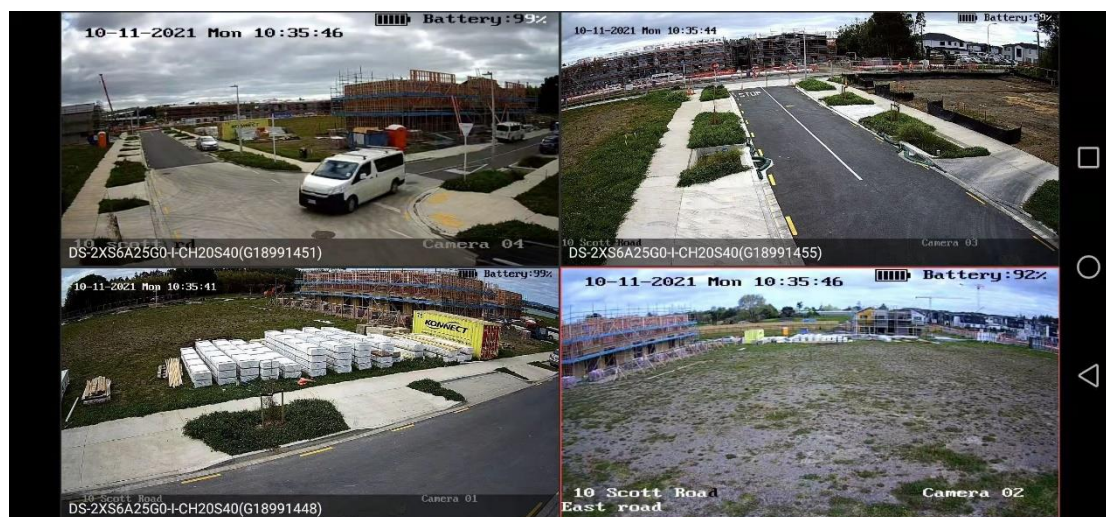
The DECHO Group is one of Auckland's most innovative and respected land developers, serving civil infrastructure, industrial, and building markets. DECHO's newly launched Coast Garden project is a new, premium development under construction in the highly sought-after Hobsonville Peninsula locale. The exclusive Coast Garden development is a brand new 4.3-hectare subdivision delivering exceptional waterfront living on an elevated clifftop site on the peninsula.

"We need a security solution to protect our high-value items such as machinery, tools, copper, and other building materials." Ning Zhao, Director of DECHO, said, "Our projects don't get completed overnight. It can take months and years to execute a single project. The construction sites endure all kinds of weather, power issues, security problems, and many other challenges. Therefore, we are in need of a solution that boosts security quickly and easily with simple installation and suited for deployment in any kind of outdoor environment, and without need for a fixed network or power supply."

### Hikvision's solar-powered solution

To protect its valuable tools and equipment, DECHO researched several options, and deployed Hikvision's solar-powered security camera setup. [EXIR Fixed Bullet Solar Power 4G Network Cameras](#) and [4K ColorVu Fixed Bullet Solar Power 4G Network Camera Kits](#) were placed around the perimeter of DECHO's Coast Garden construction site.

The [solar-powered security camera setup](#) uses a 40-Watt photovoltaic panel and a highly durable 20 Ah rechargeable Lithium battery to power a Hikvision EXIR Fixed Bullet Solar Power 4G Network Camera. Because the setup gets power from the sun, there is no need for fixed power or network cables on site. With the product's smart power management features, each setup can provide up to 7 days of operation during cloudy or rainy periods when fully charged. Its 4G camera further adds a 32 GB eMMC (embedded MultiMediaCard) in addition to an SD memory card, this ensures continuous video recording even if there is an interruption with the SD card.



**The benefits: Solid time and cost savings, and complete peace of mind for the building company**

### Quick, hassle-free installation

According to DECHO's Director, Ning Zhao, the fact that the Hikvision solar-powered cameras

can be installed hassle-free was a key deployment feature for the company. The pole-mounted unit weighs just 14 kg (30 lbs), and no wires or cabling are required, making the deployment process fast, easy, and cost-effective. "With its own power source, each Hikvision camera can be deployed anywhere on the site without having to route cables, saving valuable time and resources, which could be redirected to other critical tasks to help the company complete construction on time." said Ning Zhao.

#### **A safeguarded site 24/7, in any weather**

Empowered by [ColorVu technology](#), the cameras offer clear vision in extremely dark environments. "Construction site compounds are most vulnerable to theft at night," commented Ning Zhao, "With these cameras installed, our valuables are now well protected during vulnerable out-of-hours periods."



Besides that, intrusions can now be detected accurately and addressed immediately. As the [AcuSense technology](#) embedded in the cameras helps to differentiate between humans and other moving objects such as animals, falling leaves, or heavy rain, false positives are minimized, and DECHO will only be alerted in the event of real security threats.

In addition, being waterproof and dust-resistant, the solar power cameras are suitable for deployment in any kind of outdoor environment. "These cameras are sturdy enough to withstand the harsh conditions on the construction site, as well as Auckland's frequent rainy and windy weather," said Ning Zhao.

#### **Expanding sustainability while reducing costs**

Requiring only a single solar panel, the self-contained setup operates for up to 7 days on a single battery charge, which delivers significant cost savings for DECHO. In addition, powered by clean and renewable energy, the solar cameras not only help to save operational costs for the building firm, but also reduce the company's carbon footprint. Ning Zhao commented, "We work hard to build a green culture within DECHO. Deploying a solar-powered wireless

camera system represents an opportunity to have an immediately positive impact on sustainability."

For more information, please [contact us](#) today.

<https://www.hikvision.com/en/newsroom/success-stories/building/new-zealand-building-firm-deploys-hikvision-s-solar-powered-solution/>

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