PROSPECTA
UTILITIES

PROSPECTA

Contents

Empowering possibility, simplifying complexity

We design, build, manage, monitor and maintain private enterprise network solutions and innovative renewable energy solutions for developers and asset owners in the multi-residential, retirement, commercial, retail, industrial, agricultural, sports, education and private health spaces.

Proven, complete end-to-end solutions architecture

Our solutions

Prospecta delivers cost-effective, end-to-end, turnkey solutions perfectly tailored to your unique use-case requirements.

The Prospecta process is completely seamless, from scoping, assessment, confirmation of requirements, solutions design and build, through to implementation, training, managing, monitoring and maintaining your own private enterprise network or renewable energy solution.

We simplify the process from start to finish, offering the most robust connectivity and renewable energy designs implemented by a team with unrivalled expertise in delivering groundbreaking solutions.

Anything and everything can be connected, powered, managed, tracked and optimised remotely with an 'always on, always connected' Prospecta solution, from factories using robotics, remote mining operations, farms and sports stadiums using autonomous irrigation systems to secure connected communities, resorts, education campuses and hospitals.

Prospecta
solutions integration

Prospecta understands the unique challenges faced by businesses in the rapidly evolving tech and energy sectors. That's why we provide comprehensive, tailored integrated solutions that empower clients to stay ahead of the curve. Compared with the standard 'one-size-fits-all approach', our tailored integrated solutions offer numerous advantages.

Holistic approach

Our team works closely with you to understand your unique business goals, challenges, and requirements. We then deliver solutions that address your specific needs and optimise your operations for success.
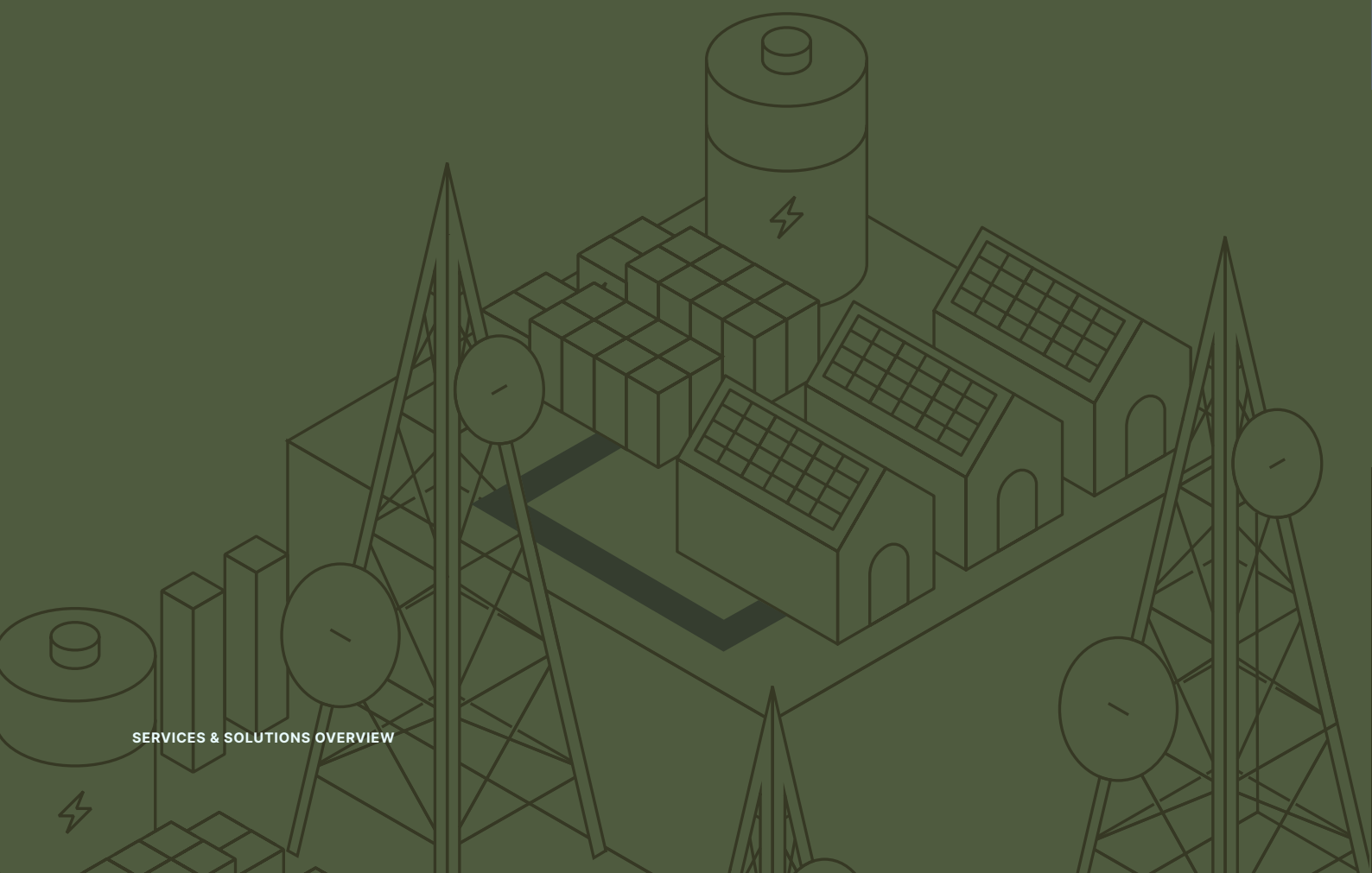
Design thinking

We take a comprehensive view of your connectivity and energy needs, identifying synergies and integrating solutions across multiple areas. By aligning different components of your operations, we create a seamless and efficient ecosystem.
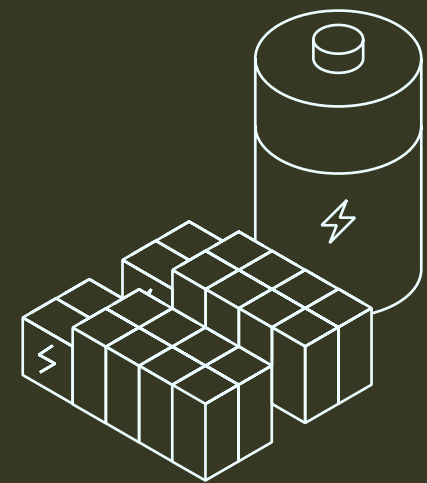
Enhanced efficiency

By providing a range of scalable technologies and systems, we can streamline processes, eliminate redundancies, and improve overall efficiency. This leads to cost savings, increased productivity, and a competitive edge in your industry.
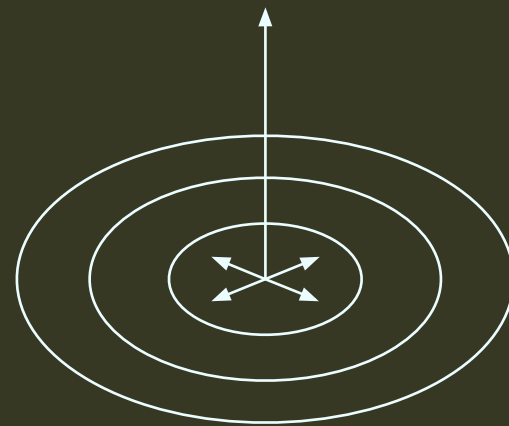
Future-proofing

Our tailored integrated solutions are designed to be scalable and adaptable, ensuring your business remains resilient in the face of future challenges.

VIRTUAL POWER PLANTS (VPP)

PROSPECTA ENTERPRISE NETWORKS

FULL SOLUTIONS INTEGRATION

PROSPECTA ENTERPRISE NETWORKS

Communications technologies

We design, build, manage and maintain private 4G, enterprise-level 5G and advanced 5G enterprise networks on behalf of our clients. Our solutions can be delivered, installed and implemented anywhere, swiftly and efficiently, enabling future-ready business facilities and communities.

VIRTUAL POWER PLANTS (VPP)

Renewable energy solutions

Prospecta is at the forefront of delivering sustainable energy generation and storage. We design and deliver tailor-made solutions to meet the unique needs of every customer. Our proven renewable bio-energy technology solutions turn sunlight into a safe, reliable, resilient, and scalable source of energy to power lives, neighbourhoods, business, campuses and entire industries.
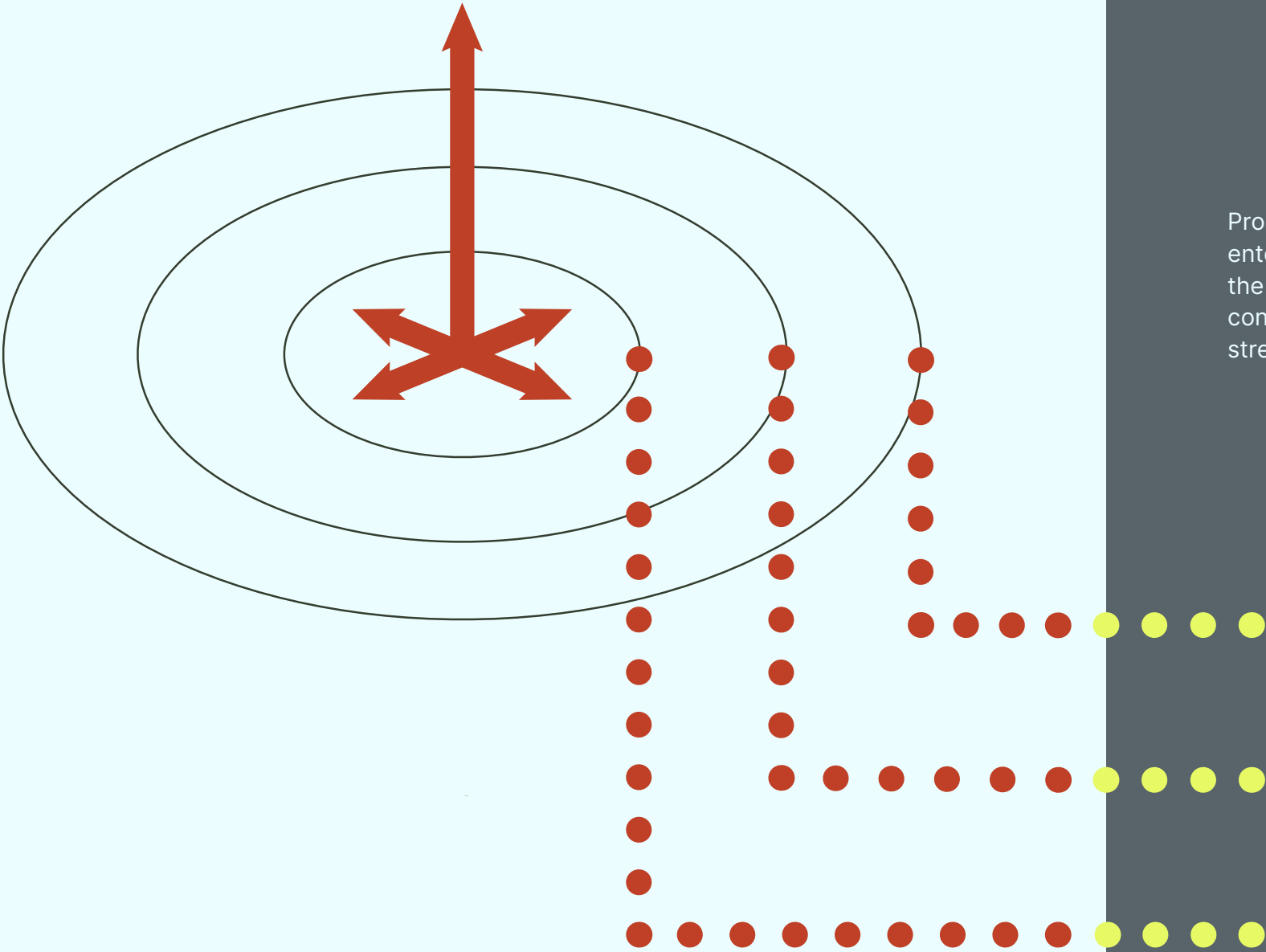
Full solutions integration

While our core enterprise network and renewable energy solutions are standalone, when brought together, they provide powerful, scalable and robust integrated connectivity and energy solutions.

The technology of the future

Prospecta delivers state-of-the-art enterprise private 4G, enterprise-level 5G and advanced 5G solutions that revolutionise the way your business operates. With our robust and reliable connectivity services, we empower you to unlock new opportunities, streamline operations, and elevate your performance.

**WI-FI RECEPTION
UP TO 500M**

**ENTERPRISE
UP TO 8KM**

**PUBLIC NETWORKS
UP TO 20KM**

YOUR OWN FUTURE-READY NETWORK

PROPRIETARY CARRIER-GRADE 5G NETWORK

SPEED, RELIABILITY AND SECURITY

INSTALLED AND IMPLEMENTED ANYWHERE

CONNECT ANYTHING, THEN MANAGE, TRACK AND OPTIMISE REMOTELY USING AI

Communications technologies

Enterprise network solutions

Prospecta offers smart city management and infrastructure management through a fully integrated enterprise 5G mobile and wireless communications solution. This delivers greater data transmission speeds, enabling greater efficiencies and driving opportunities for automation.

We offer developers and asset owners a complete future-ready, turnkey solution for environments requiring high-quality, robust and scalable services for the Internet of Things (IoT), energy management and communications technologies.

Enterprise networks

Prospecta Utilities offers an advanced private enterprise-ready network to help drive digitisation and automation across multiple industries.

As telecommunications continue to evolve, the ability to manage and control connectivity and access to your intelligent devices becomes critical. Cyber security, SIM cards and device management, as well as the ability to control access to a private network, will become essential for your business and its digital transformation.

Smart city & infrastructure management

As devices and intelligent infrastructure are deployed across more enterprises and a wider range of industries, collecting and analysing data becomes an essential part of how infrastructure and asset owners make better real-time decisions and manage assets.

Prospecta's Smart City Management solution uses machine learning and AI to help drive operational facilities, improve safety and reduce risk, while allowing you to make data-driven business decisions.

INDUSTRY SECTORS WE SUPPORT

As technology evolves and finds more applications across an increasing number of industries, Prospecta has practical and proven solutions for the following industry sectors:

- ENERGY AND UTILITIES
- NATURAL RESOURCES
- SMART BUILDINGS
- AUTOMOTIVE
- AGRICULTURE
- EDUCATION

Benefits of a Prospecta enterprise network

IMPROVED OPERATIONAL EFFICIENCY

Lightning-fast speeds

Experience the power of next-generation wireless connectivity. Our enterprise 5G solutions provide unmatched data-transfer rates, enabling your business to operate at unprecedented efficiency levels. Seamlessly download large files, share critical data, and engage in real-time collaboration like never before.

CONNECTIVITY YOU CONTROL

Enhanced reliability

We understand the importance of a stable and reliable network for your business. Our enterprise 5G solutions offer superior reliability, ensuring uninterrupted connectivity even during peak usage periods. Say goodbye to downtime and hello to productivity and peace of mind.

YOUR INFORMATION PROTECTED

Secure connectivity

Safeguarding your data and protecting your business is our top priority. We employ advanced security protocols to shield your valuable information from unauthorised access.

SCALE AS YOU GROW

Scalability & flexibility

As your business grows, so should your connectivity. Our enterprise 5G solutions are designed to scale with your evolving needs. Seamlessly expand your network and adapt to changing demands, enabling you to stay agile and ahead of the competition.

STRATEGIC INVESTMENT

Future-ready

Our enterprise solution provides high-speed, low latency connectivity enabling automation and robotics, making your project facility future-ready.

PROSPECTA

IoT integration

Our enterprise 5G solutions seamlessly integrate with IoT. Unlock the power of connected devices and harness the potential of smart automation, predictive maintenance, and real-time monitoring. Enhance operational efficiency and make data-driven decisions with ease.
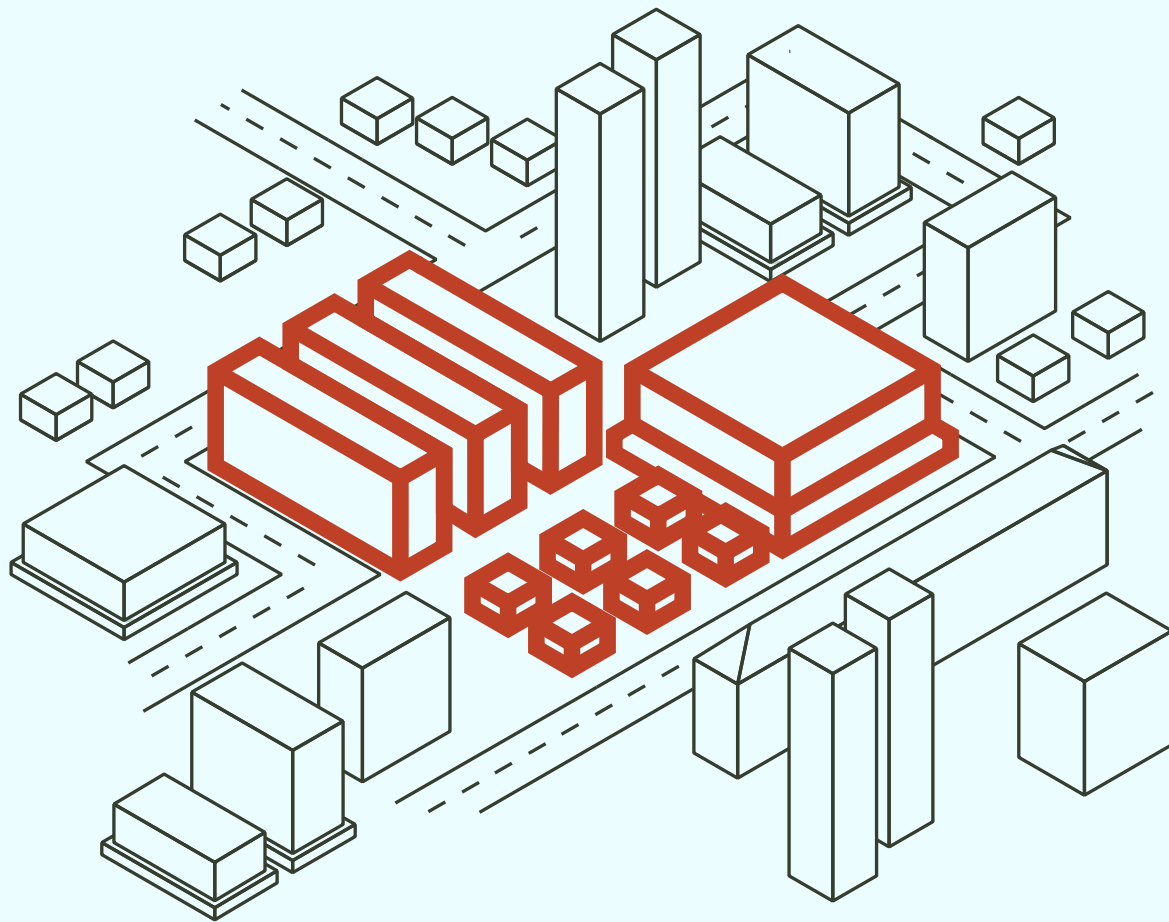
Dedicated customer support

We value our clients and are committed to providing unparalleled customer support. Our team of experts is readily available to assist you with any queries, troubleshooting issues, and to ensure your experience is seamless and hassle-free.
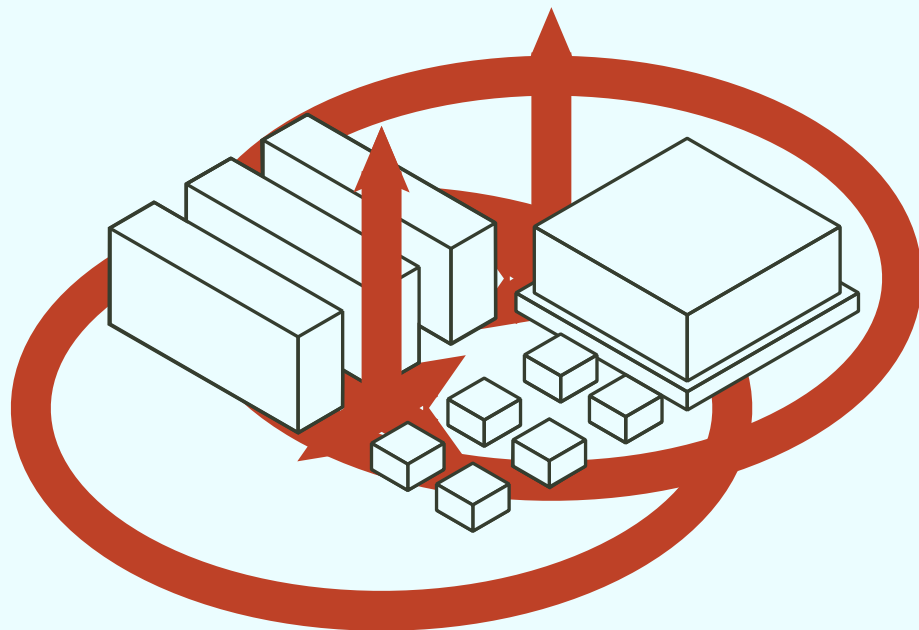
Industry-specific solutions

We understand that each industry has unique requirements. Our enterprise 5G solutions offer industry-specific customisation, catering to the distinct needs of your business. Whether you're in manufacturing, logistics, healthcare, or any other sector, we have the expertise to optimise your operations.
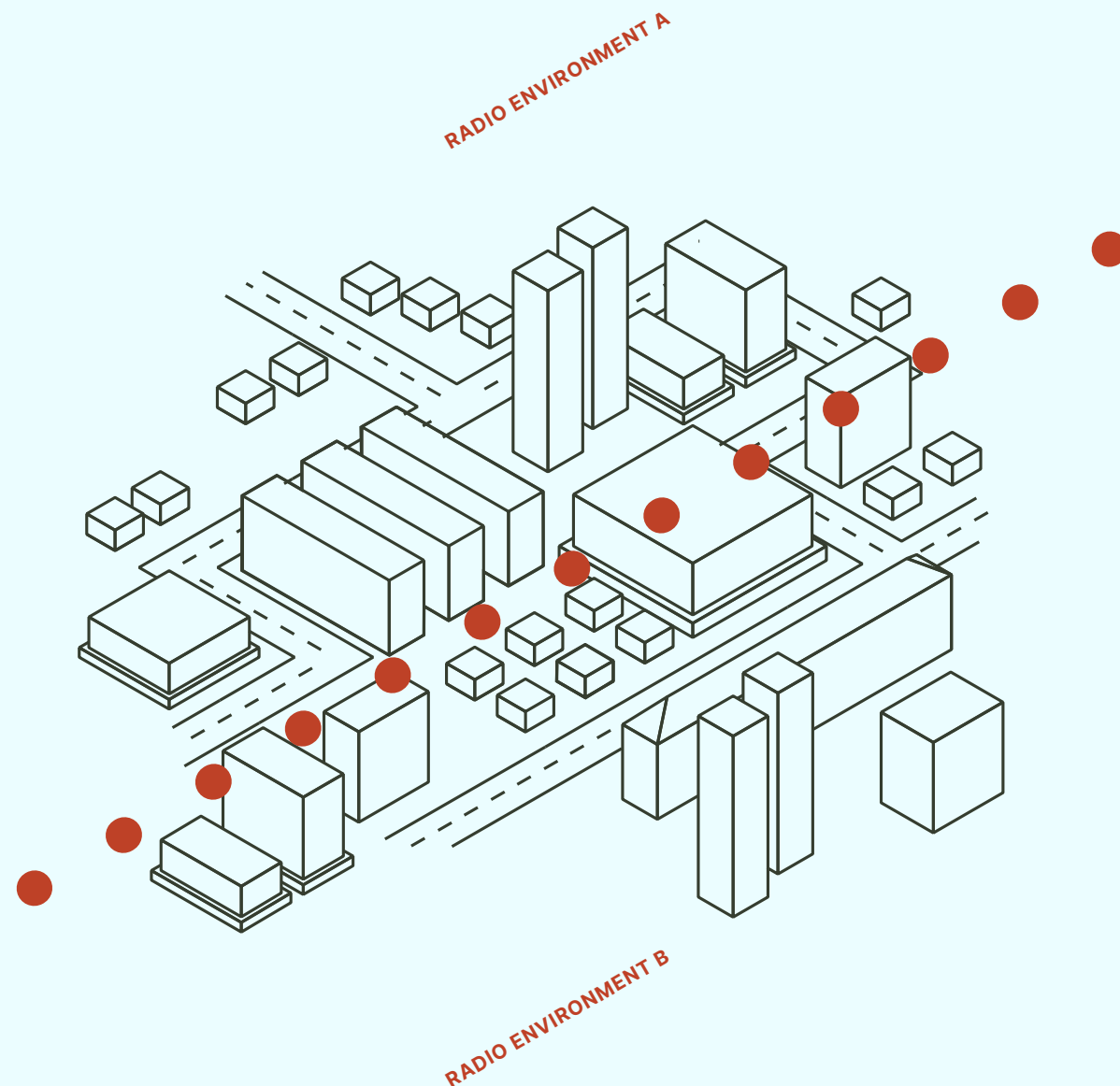
Tailoring your Prospecta private enterprise network

Site design

We first establish the backhaul connectivity to ensure the correct level of bandwidth available at your site. Prospecta works with several providers to bring this connectivity to your location. Designs are compliant with the telecommunications in new development regulations, allowing wireless technologies to replace pit-and-pipe fibre deployments.

Radio coverage design

Radio design is the next stage of the process. This step allows Prospecta to detail the coverage each radio provides along with the bandwidth your site will receive. Careful consideration is given to the purpose of the network to ensure the best coverage and capacity is provided.

RADIO ENVIRONMENT A

RADIO ENVIRONMENT B

Spectrum scope & acquisition

Once we've completed and approved the radio and capacity design of the network, we then identify the licences and spectrum needed to secure the radio environment. We offer professional services to manage these applications to ensure your coverage needs are met at the lowest cost.
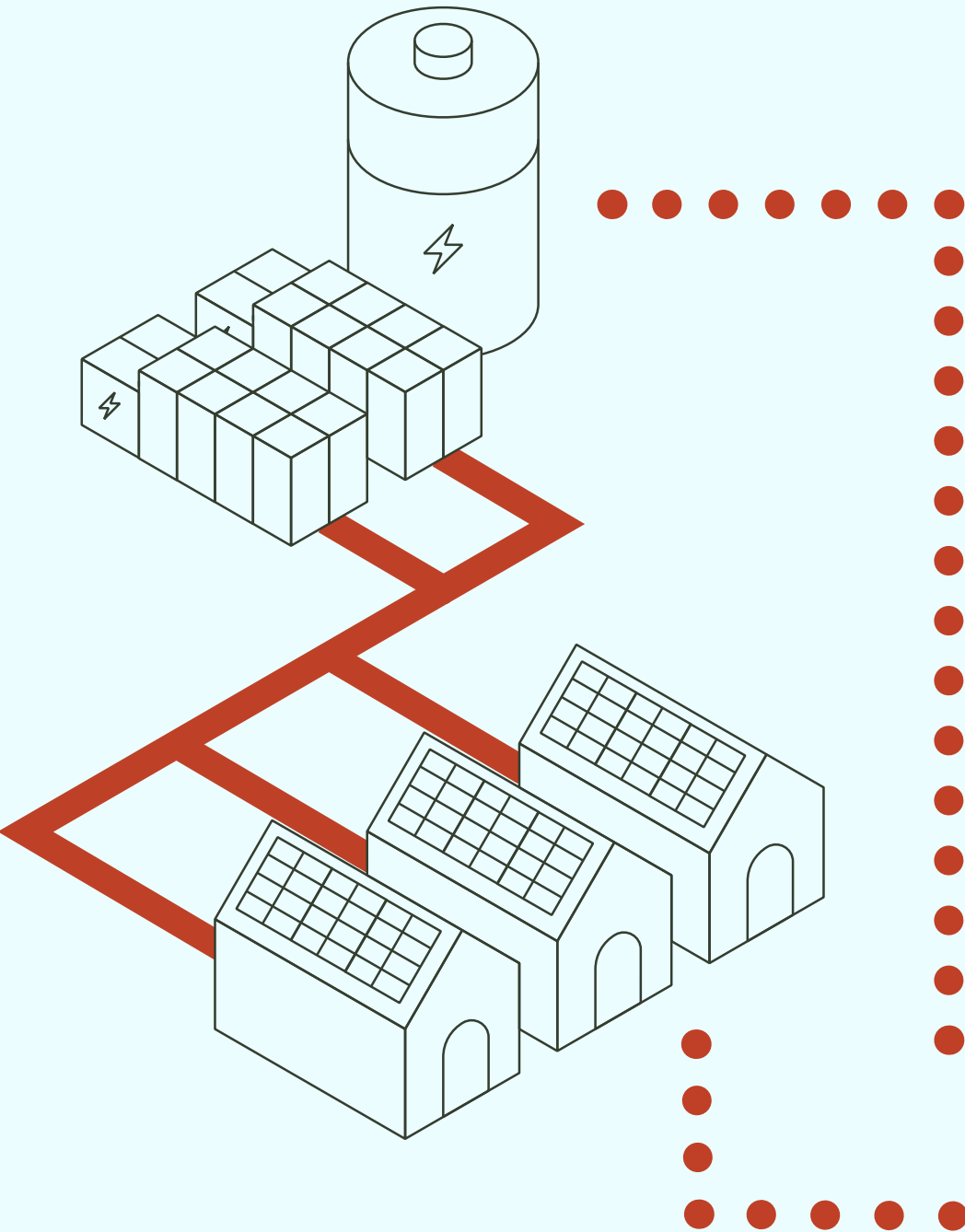
Build

Based on our site assessment, and following our detailed plans, we then build your new network to deliver all the services and outcomes you require to digitise your business. The build process requires onsite activity to Install our backhaul solution to the site. We then install our radio network around your location and connect it to the internet and a core that lets you manage local devices and data.

Operate

Now that your network is operational, it needs to be maintained at the highest standard. Prospecta will continue to operate and monitor the network to ensure we're providing optimal speed, coverage and availability at all times.

Maintain

Technology doesn't stand still for very long. Prospecta constantly monitors new and changing technologies to ensure your network keeps pace with developments and is ready for whatever you need, whenever you need it.

Renewable energy solutions

Prospecta creates fully bespoke, integrated, end-to-end renewable energy systems using cutting-edge technologies and software. We deliver best-in-class solutions that help your business increase energy independence, avoid high energy costs, unlock new revenue and assist in supporting the energy grid when required. Smart AI-driven technology is utilised to map and adapt to usage, achieving greater operational efficiency and increasing profitability to drive long-term value.

Prospecta offers fully resolved solutions delivering engineered, technical and commercial outcomes tailored to specific project outcomes. We can also manage the asset for ongoing and reliable service.

COMMERCIAL BATTERY ENERGY STORAGE SYSTEM

SOLAR PV ARRAY

WE PROVIDE:

EVOLVED STRATEGY

RESOLVED AND INTEGRATED SOLUTIONS

COMMERCIAL AND INDUSTRIAL

VIRTUAL POWER PLANTS

The benefits of harnessing clean energy resources

Specialist renewable energy services

Reduced energy costs

Renewable energy can significantly lower your long-term energy expenses. With the unpredictability of fossil fuel prices and market volatility, investing in renewable energy ensures stability and cost savings over time.

Demonstrating environmental leadership

By adopting renewable energy solutions, you position your business as a responsible environmental steward, assisting in achieving sustainability outcomes.

Enhancing energy independence

Renewable energy projects allow you to generate your own electricity, reducing dependence on the grid. This provides greater control over your energy supply, ensuring uninterrupted operations even during power outages.

Renewable energy connection services

Empower your business with our proptech energy connection services. Harness the latest advancements in technology to seamlessly integrate energy systems into your property. With Prospecta's expertise, you can optimise energy efficiency, reduce costs and enhance sustainability. Whether it's smart metering, energy monitoring or automated controls, we have you covered.

Grid connection

Prospecta offers practical advice and solutions from the site acquisition phase to development approvals, implementation, and asset management.

Our dedicated team of professionals works diligently to identify ideal locations for grid connections, assessing feasibility and optimising efficiency. We navigate the complex landscape of development approvals, liaising with local authorities to secure the necessary permits.

Comprehensive assessments

We conduct thorough assessments of your needs, analysing consumption patterns and identifying opportunities for renewable energy integration. Our experts will recommend the most suitable technologies and systems for optimal results.

Project design & engineering

Our experienced engineers will design a renewable energy system tailored to your facility's specifications. We ensure that the project seamlessly integrates with your existing infrastructure, maximising efficiency and minimising disruption.

Installation & commissioning

Our skilled technicians will handle the installation and commissioning process, ensuring the system is up and running smoothly. We prioritise quality workmanship and adhere to industry standards, guaranteeing the longevity and performance of your renewable energy project.

Ongoing monitoring & maintenance

We offer comprehensive monitoring and maintenance services to keep your renewable energy system operating at peak performance. Our proactive approach minimises downtime, maximising energy generation and your return on investment.
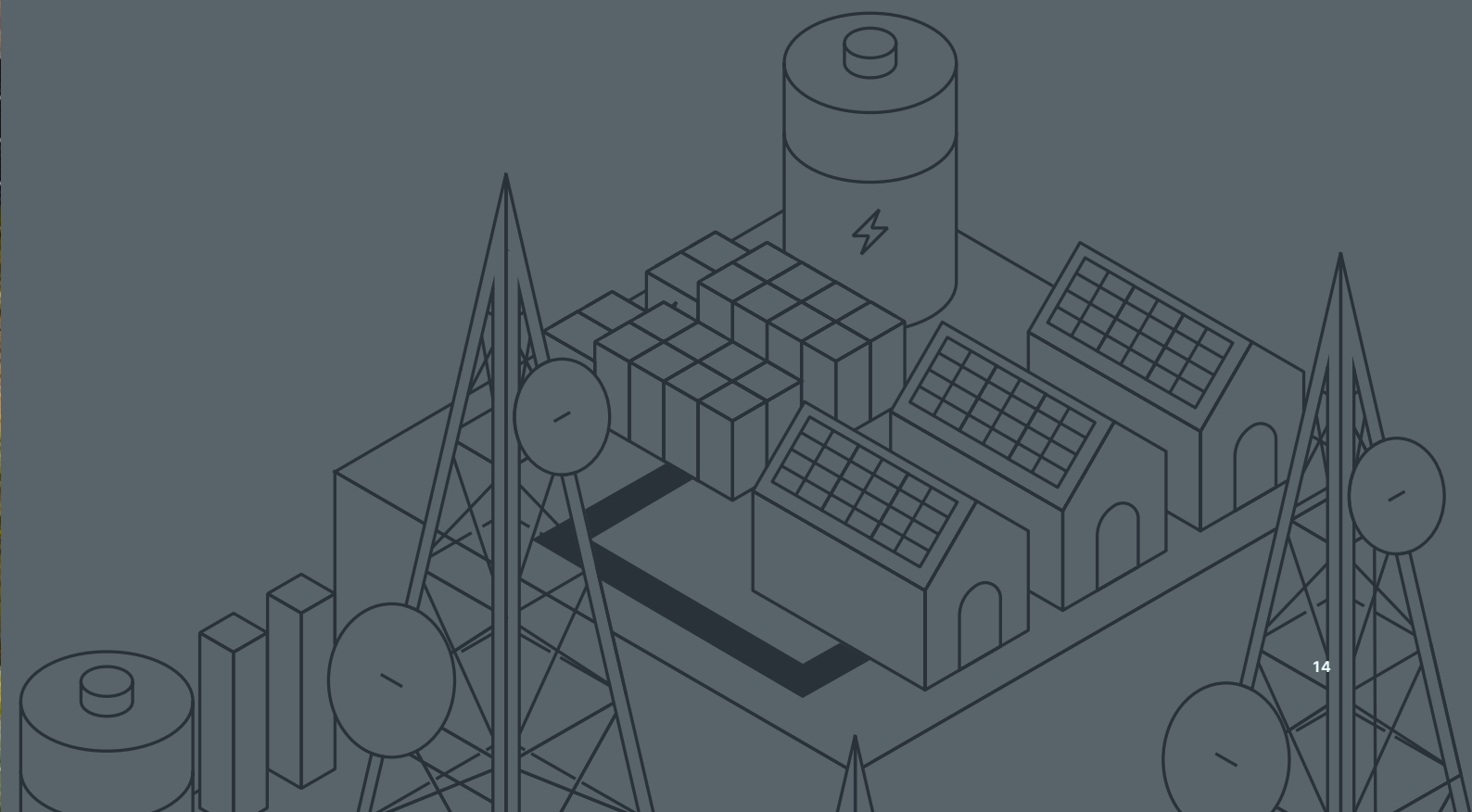
About us

Our team of industry professionals are leaders in the areas of sustainability and emerging technologies for energy management and communications. They capitalise on decades of combined industry experience.

Our advisory board harnesses extensive experience in the energy, real estate and development, banking and finance, and legal and compliance sectors, both in Australia and internationally.

Get in touch

Tailor a solution perfect for your business

Anything and everything can be powered, connected, managed, tracked and optimised with an 'always on, always connected' Prospecta solution. Explore the possibilities of transforming your communications and energy systems today.
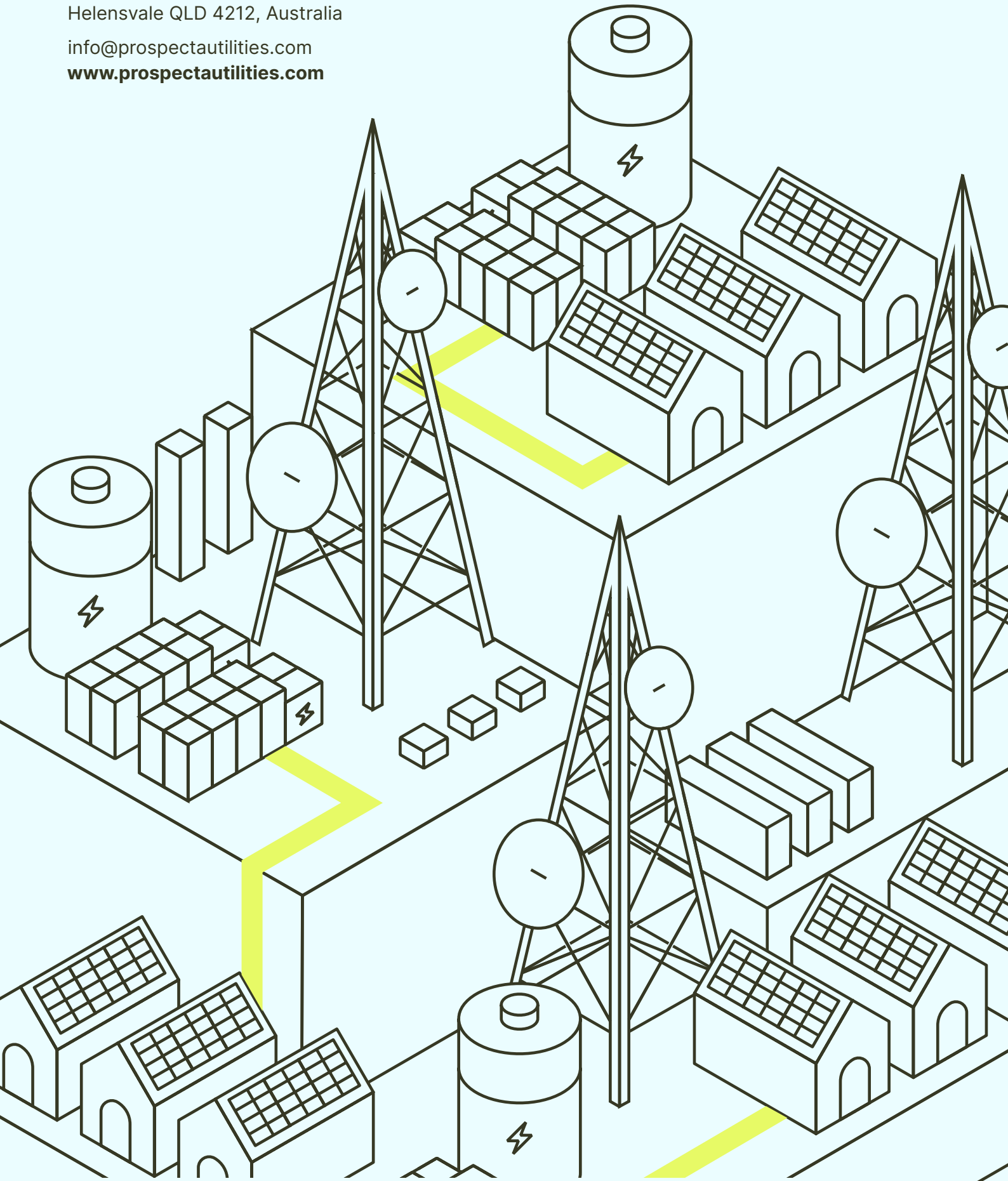
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