



A global leader in renewable energy, bespoke funding,  
consulting, project management and development

**Brochure 2020/21**

[www.canigoucapital.com](http://www.canigoucapital.com)





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*“Earth provides enough to satisfy every man’s needs but not every man’s greed”*

Mahatma Gandhi



A global leader in renewable energy, bespoke financing, consulting, project management and development, with expertise across renewable energy solutions. We are active throughout Europe, SE Asia and North America where we work with clients at the local level to provide a customised service.

# Our Numbers

"We offer a tailored renewable energy solution to land owners, investors, product suppliers and our partners and in doing so we build long-term relationships to maximise value throughout our developments"

At Canigou we have specialised in renewable energy for many years and we are currently developing projects in Australia, France, Germany and the USA.

**3**

Continents

**6**

Countries

**32**

Projects

**1.3GW**

In Development

**\$1.6bn**

Project value



# Our Customised Service

Offering four specialised services across the globe to our landowners, investors, and partners.

A wide network of agents in Europe, SE Asia, and the Americas providing high quality renewable projects for investment.

Pipeline and Planning

Bespoke financial modelling and expertise in the financing of renewables from domestic solar to large scale biogas.

Analysis

Tried and tested renewable technologies in established and emerging markets resulting in high quality investments.

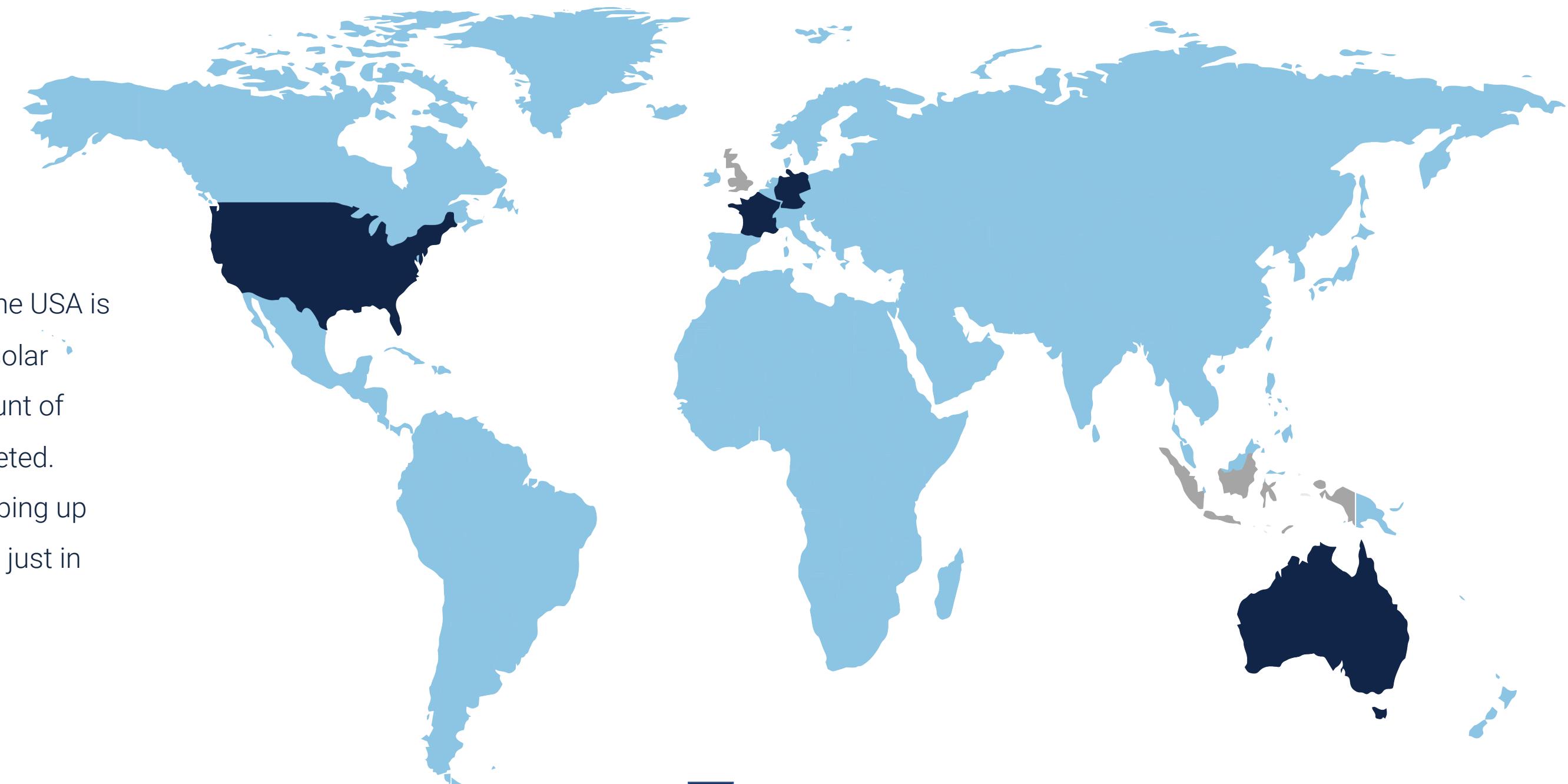
Solution Testing

Internal technical due diligence capability reducing development costs for our development partners and investors.

Detailed Reporting

# Country Scope

**USA** - The solar market in the USA is booming. As the costs of solar installations drop, the amount of solar installations has rocketed. New solar projects are popping up all over the USA rather than just in states such as California.



**France** - Over the next five years France aims to tender 28GW of wind and solar projects comprising of 10GW of ground-based solar, 4.5GW of rooftop solar

**Germany** - Germany is the leading country in Europe for biogas production. There are currently more than 9000 biogas plants in Germany and the German government have set stable feed in tariffs for the biogas industry.

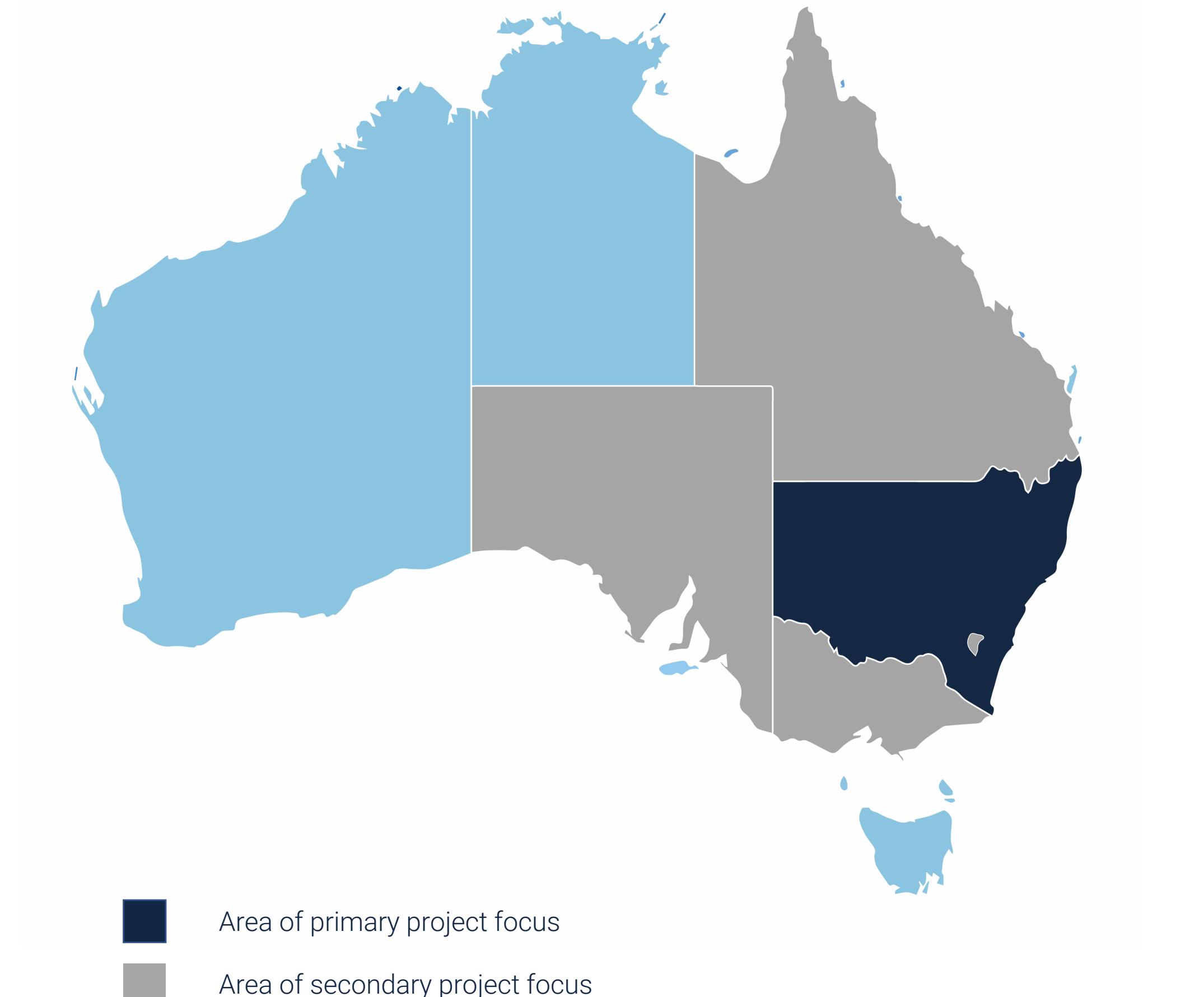
**Australia** - Almost 90% of Australia's territory lies perfectly within the latitudes of 15°S and 35°S, meaning that it is one of the few countries that lie almost entirely within the most favourable sun belt on the planet.

- Primary territory focus 2020/21
- Secondary territory focus 2020/21

# Case Study: Solar Australia

Canigou are developing town-scale solar farm projects around regional Australia. Individual projects are in the range of 5MWp and are connected to the local distribution network, rather than the long-distance transmission network, which is more cost effective.

The scale of each project is designed to match current and projected future demands for electricity (e.g. residential, commercial, industrial) within a given community. This means that the clean energy generated will be used locally. When choosing sites, we consider a variety of factors, including proximity to good quality network infrastructure, Council and State zoning restrictions, topography, and vegetation. Road access and availability of labour are also important considerations.



Over 140MWp in  
development at  
over 20 sites in  
New South Wales



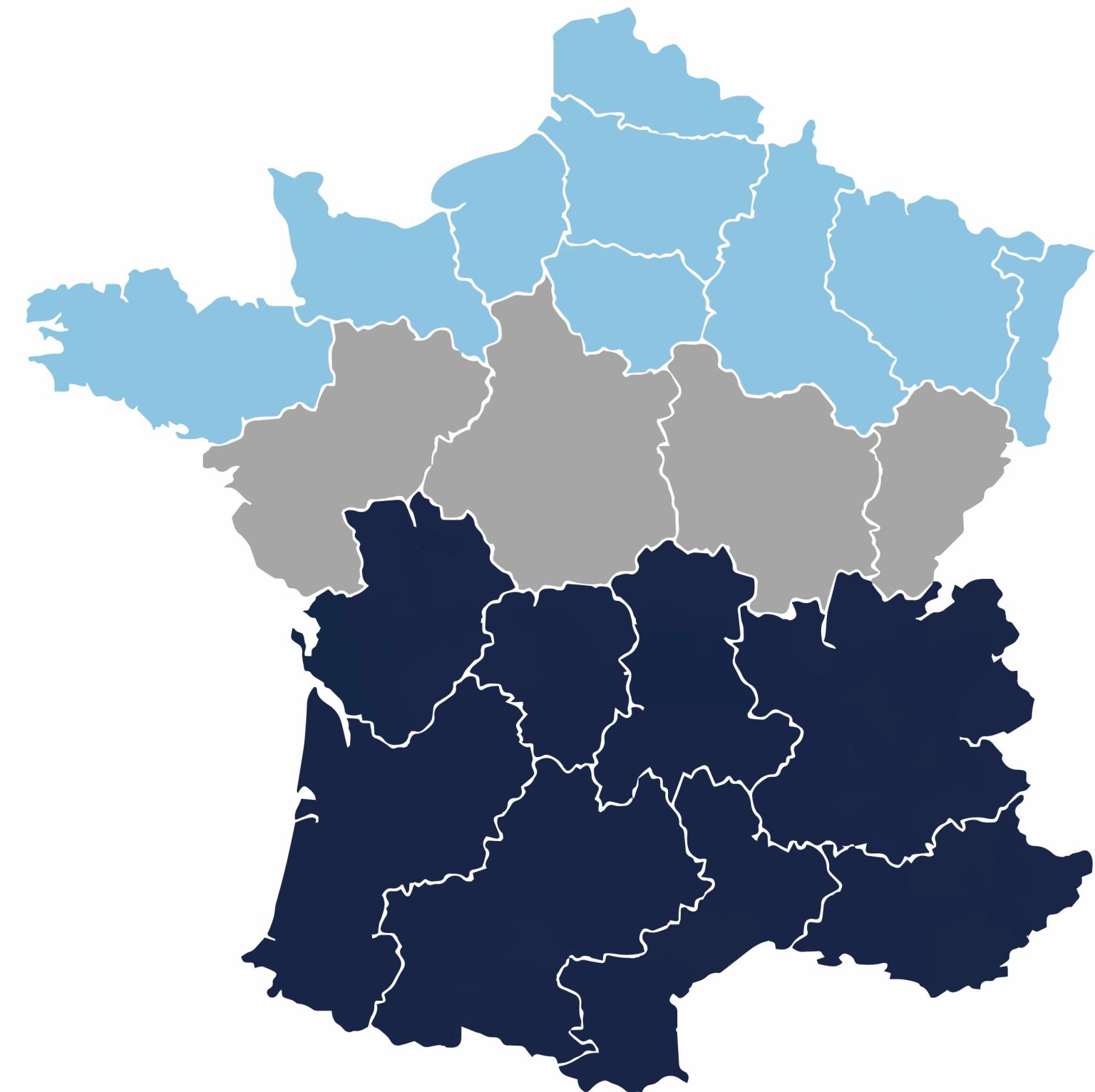
The Sydney Opera House viewed from the Sydney Harbour Bridge, Sydney Australia

# Case Study: Solar France

Canigou are currently focusing on France, notably the south of France as a prime location for solar sites. The French government are aiming to decrease the use of fossil fuels and establish 33.6GW of solar power by 2028, up from 10GW achieved in Q1 of 2020. The aim to reduce nuclear energy to 50% by 2035 means that there are incentives provided by the government to turn brown field sites, industrial areas and commercial zones into solar sites.

ERDF who control the distribution network are working to make structural and control changes to accommodate more renewable energy, meaning solar sites in rural areas will be able to connect to the grid. Canigou are actively searching for more potential sites in Southern France. We will work on a personal level with the owner of any site and we will aim to accommodate the variation in site size, location and type.

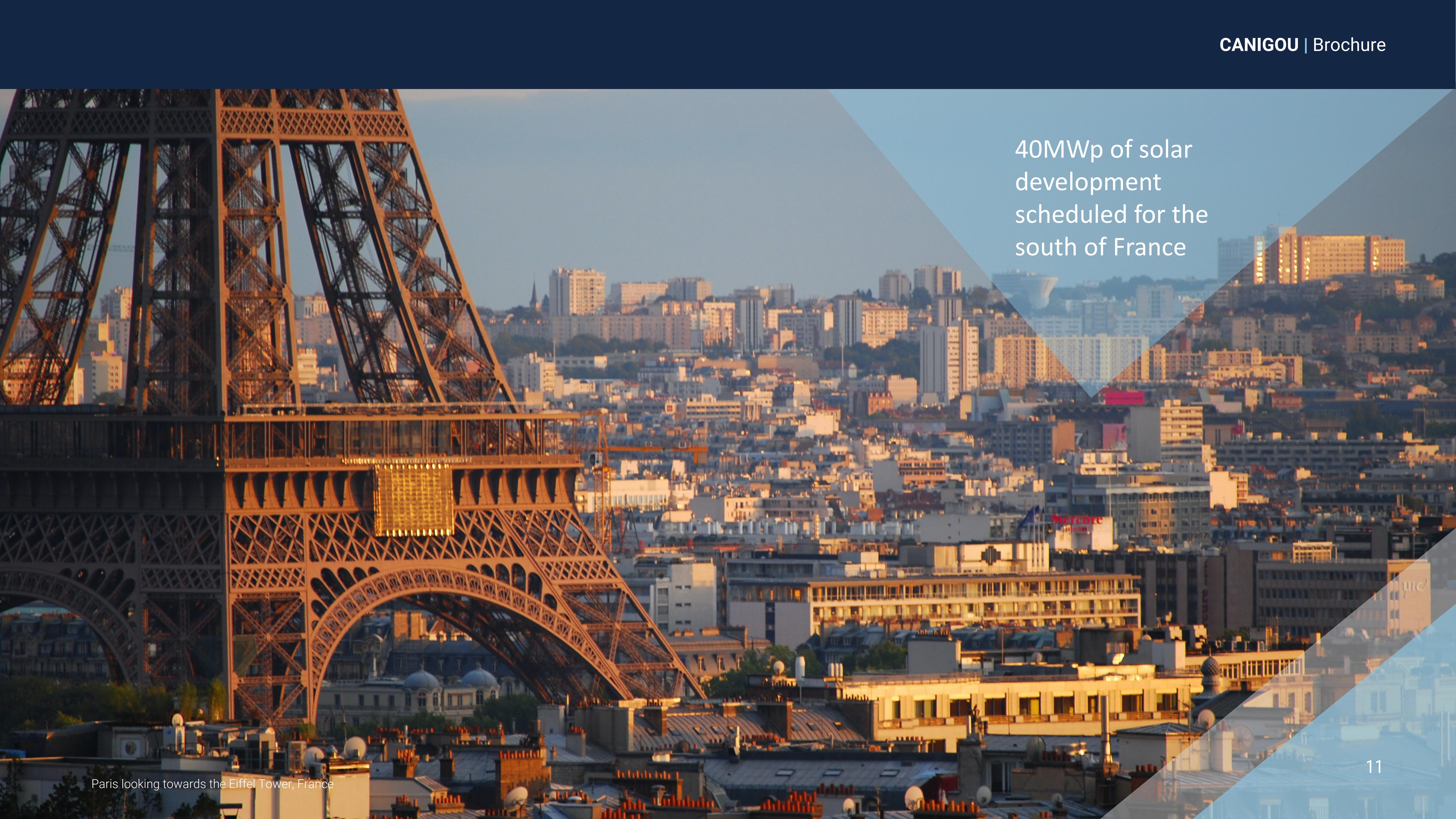
Canigou is actively looking for sites in France for the development of solar projects. If you are a land owner or agent and wish to put forward one of your sites for a solar development then please see the contact details on page 19 of this brochure.



Area of primary project focus



Area of secondary project focus



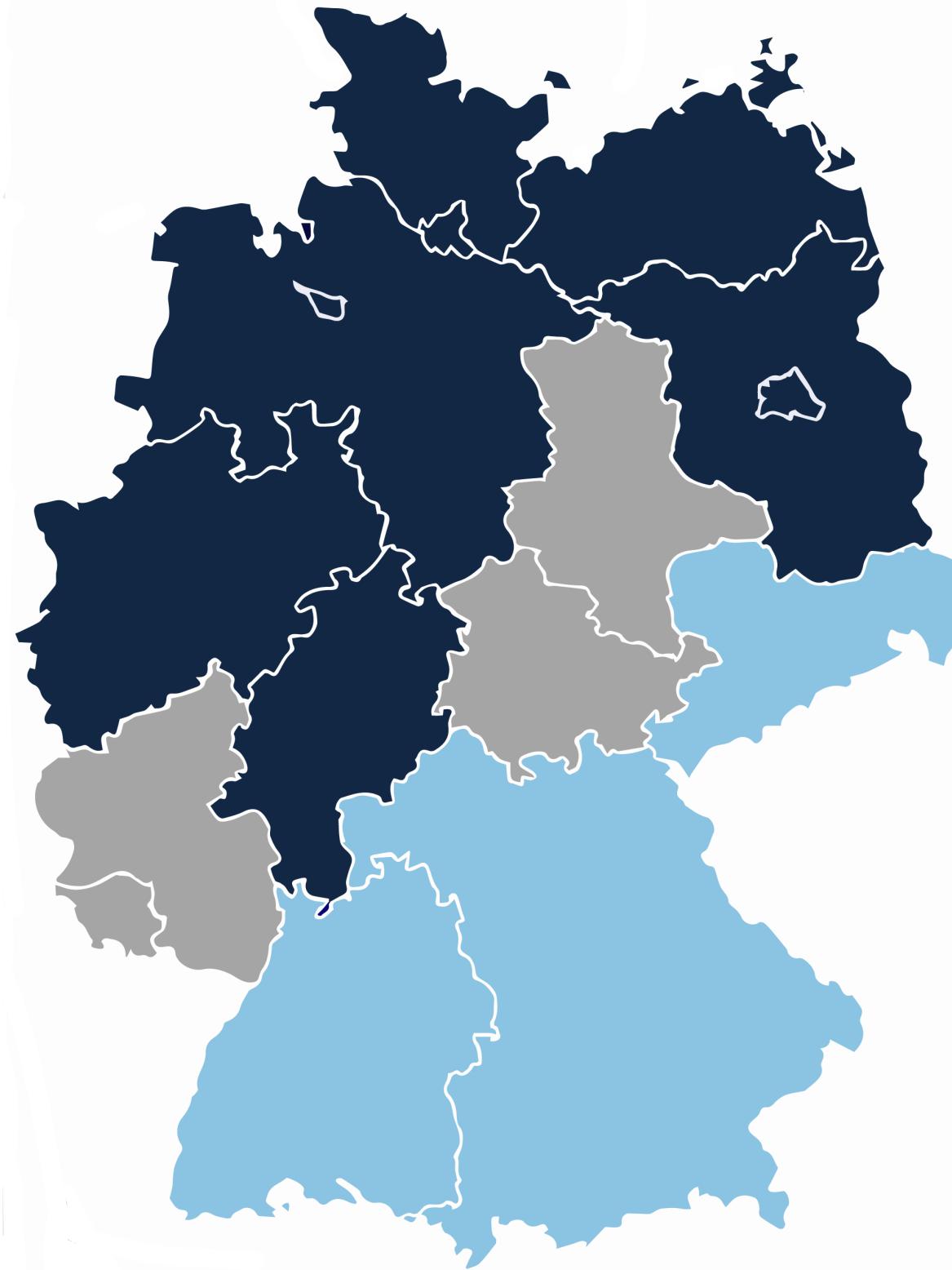
40MWP of solar  
development  
scheduled for the  
south of France

# Case Study: Germany Biogas

Canigou work with a variety of renewable energy sources, one of which is biogas.

Unlike solar and wind energy biogas or anaerobic digestion creates biomethane which can be used as a source of energy. This biomethane is produced by the fermentation of organic waste. This technology provides a sustainable waste disposal solution as well as a source of renewable energy. The biogas produced can be transformed into electricity or used as a gas to replace natural gases in the form of a fuel or for heating.

Canigou have developed a pipeline of six biogas plants in Germany. The scale of each project is designed to match the current and projected future demands for energy and waste disposal within a given community. This means the clean energy produced can be used locally. Germany is the leading country worldwide for biogas use and the government support both the construction of biogas plants and the input of infrastructure necessary to connect the biogas to the national grid. Biogas plays a huge part in Germany's carbon emission reduction targets, which are to produce 45% of its energy from renewable sources by 2025.



Area of primary project focus



Area of secondary project focus



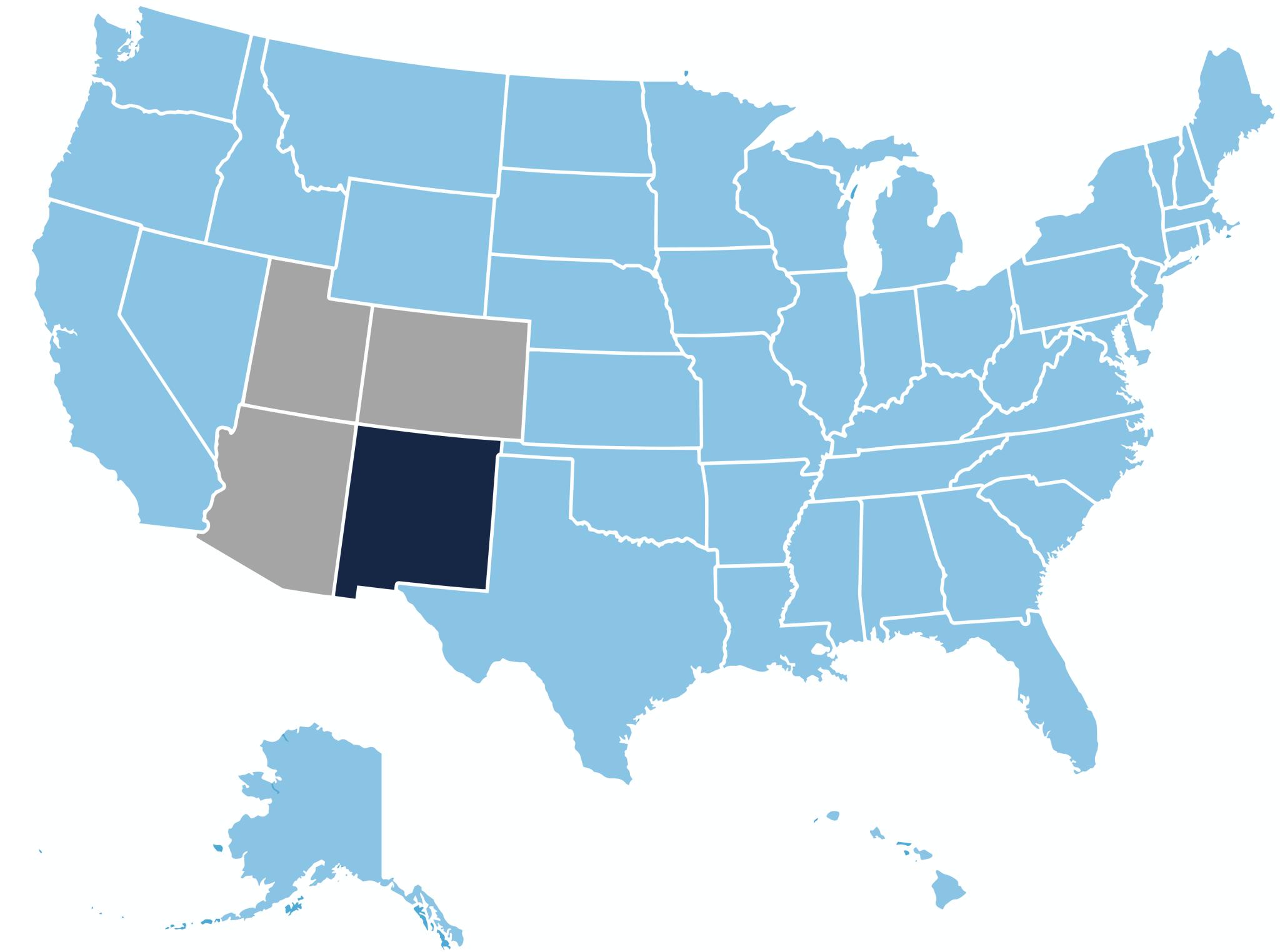
Six on farm biogas  
projects in Germany  
for injection into  
the gas grid

Grazing Holstein cattle in a pasture Northern Germany

# Case Study: New Mexico Solar

Canigou have secured a pipeline of 5 x 200MWp solar projects with the Ute Mountain Ute tribe in New Mexico. The scale of each project is designed to match the current and projected future demands for energy. The projects are all contained on a single land area owned by the tribe in northern New Mexico. The Ute Mountain Ute Reservation is located in the Four Corners region of the United States. The majority of the reservation consist of lands about 553,008 acres in Montezuma and La Plata Counties, Colorado and San Juan County, New Mexico. The site averages over 300 days of sunshine and has less than 14 inches of rain per year, and is located in the region of highest photovoltaic solar resources in the US.

The sites are in an area of high solar intensity but benefit from being very near to significant part of the electrical transmission network, meaning there is ample scope to export this power to the grid. The USA has a high price for electricity, when combined with high irradiation, this representing a very favourable opportunity for solar development.



Area of primary project focus



Area of secondary project focus



1GW of solar  
development with  
the Ute Mountain  
Ute tribe

Canyon Northern New Mexico, USA

# Our Site Development

We help bring all projects to the development stage. We work with local teams on the ground to get the projects permitted and ecologically assessed. We will enable all projects to reach the ready to build stage. Depending on the project we then may continue to the building and management stages. We aim to be involved in every project to bring each one to fruition.

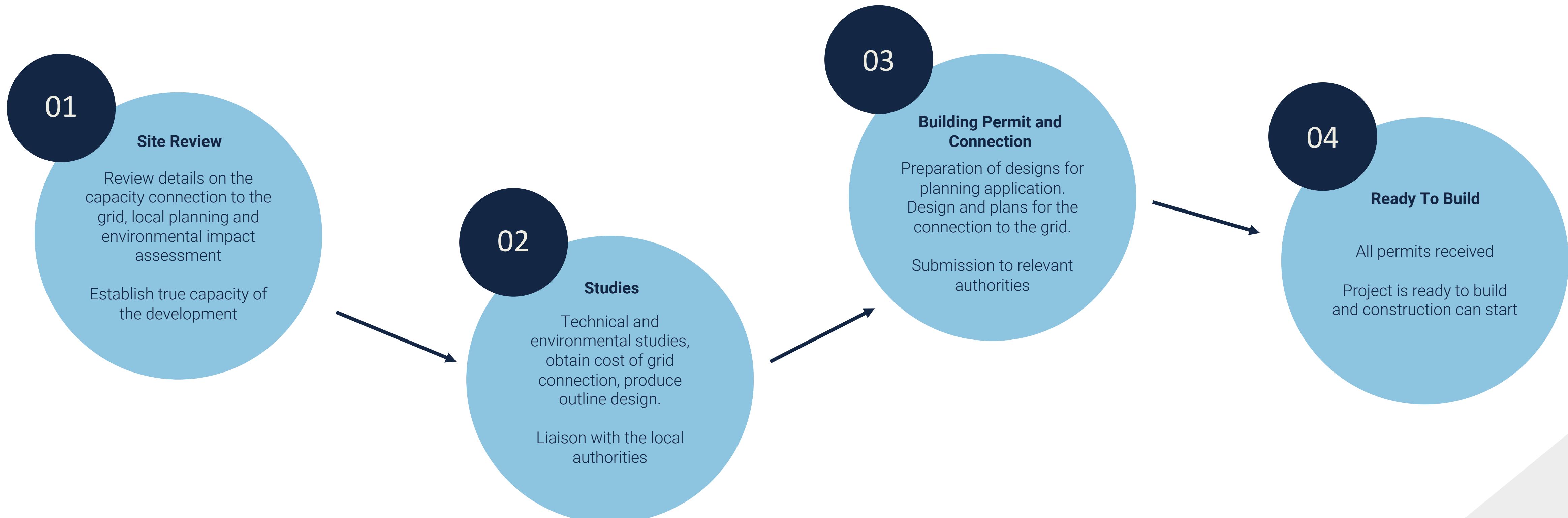
## Land Use

We are actively looking to use both agricultural and industrial sites as locations for renewable projects. We look for a long term (25 year plus) lease on each site and Canigou will be responsible for providing the rent for the land and managing the site for the 25-year duration of the lease.

The sites can vary in size, we would be interested in ground mounted solar, roof top solar or floating solar. The type of project chosen depends on the size, location and nature of the site.



# Development Process



## Timeline expectations:

France	24 months from site review including a four quarter environmental impact study
Germany	12 months from site review for planning only. Biogas has a guarantee of connection to grid under German law
Australia	6 months from site review for planning and 12 months for grid connection approval
USA	12 months from site review

# Our team



Craig Copeland  
Director

Based: Hong Kong

Craig is a director of Canigou and is managing the solar projects in Australia.

Email: [cc@canigoucapital.com](mailto:cc@canigoucapital.com)

Craig is a financial modeller and Barrister. Prior to working at Canigou Capital, Craig was a Director at Carbon Minded, a low carbon advisory company. He has 19 years' experience in financial modelling and project management, with the last 15 years focused on the low carbon industry.

He has extensive multi-jurisdictional, multi-team, project management experience having overseen multi-million pound low carbon EU funded projects with responsibility for management of project teams and co-ordination with project partners in the UK, Denmark, the Netherlands



Justin Passfield  
Director

Based: London

Justin is a director of Canigou and is managing the solar projects in the USA.

Email: [jp@canigoucapital.com](mailto:jp@canigoucapital.com)

Justin is a seasoned finance professional. A chartered accountant by background, he spent much of his career in Financial Services. At Canigou Capital he has been focused on financing renewable energy assets across a number of technologies and in multiple national and international locations.

He has a good understanding of the project dynamics for these assets from early stage development, through the construction phase, and the long term cash flows from the operational phase

**Heinz Juggermann**  
Project Manager

Based: Frankfurt, Germany  
Email: [hj@canigoucapital.com](mailto:hj@canigoucapital.com)



Heinz is an expert in complex transactions and strategic corporate management. Since 1993 he has provided advice and support at board and management level to companies operating on an international scale. With a focus on industries and companies that offer a high level of innovation and are positioned in dynamic markets, Heinz has many years of experience in business and project development.

His specialist field is renewable energy and he manages international projects of varying size and complexity in a professional and efficient manner and stays abreast of developments in the key markets in Europe, Asia, America, India and the Middle East.

**Ashton Shuttleworth**  
Project Manager

Based: Pau, France  
Email: [as@canigoucapital.com](mailto:as@canigoucapital.com)



Ashton has over 20 years experience in the field of renewable energy and clean technology as an analyst, consultant, investor and more recently developer.

His skills stem from an MSc in environmental Technology (Imperial College, London) and working with companies such as KPMG, Dresdner and an array of smaller boutique consultancies and advisory firms. He has lived in SW France with his family for the past 6 years.

Ashton is leading on the origination of projects for the development of solar in France.

**Flora Passfield**  
Project Co-ordinator

Based: Frankfurt, Germany  
Email: [fp@canigoucapital.com](mailto:fp@canigoucapital.com)



Flora has past experience in working in renewable energy and has an Msc in Environmental biology from the University of Birmingham. She has project management experience from working in Real Estate for Birmingham Estate Agents.

Flora is focused on co-ordination of the German biogas and French based projects and is bilingual in English and French.

She has experience working in environmental research for NGO's such as BES.

# FAQs

## [How are sites chosen?](#)

When choosing sites, we consider a variety of factors, including proximity to good quality network infrastructure, Council and State zoning restrictions, topography, and vegetation. Road access and availability of labour are also important considerations.

## [What benefits do these projects provide to local communities?](#)

Across France, solar farm development is booming and much of this investment is occurring in regional areas. The benefits for local farming communities include a diversified, substantial and reliable income for the landowners hosting solar farms during the lifetime of the solar farm (usually 25-45 years). These funds can serve to protect farming families from loss of income during poor harvests or droughts.

Solar farm project development generates employment in the local area, which supports the development of local expertise and skills. The incomes of those employed contribute to gross regional domestic product. In addition, there is a flow-on effect to the wider community. Local retailers and service providers benefit from increased economic activity in the locality of a solar farm. Research by the Clean Energy Council suggests that for every direct construction and maintenance job created, two additional indirect jobs are created.

## [Where does the financing Canigou Capital provides come from?](#)

Canigou Capital work with many different finance solutions. We work with investors from around the world who want to specialise in renewable energy projects.

## [How much power will a 5MW solar farm produce?](#)

A solar farm of this size will supply the annual electricity requirements of approximately 2,150 households.

## [What happens to the energy that is generated?](#)

Electricity from the solar farm will enter the distribution network, which is connected to the national grid, and will be used to meet demand by electricity consumers in the national electricity market. This is a wholesale market where generators sell electricity and retailers buy electricity and on-sell it to domestic and commercial electricity users.





#### How does the cost of solar generation compare with more established sources?

Once built, renewable energy generators have low ongoing ("variable") costs to generate, since they do not need to purchase fuel. Consequently, renewable energy plants are able to offer low-priced generation into the market. There is a shift towards renewable energy sources for new electricity generation, due to the economics of these projects.

#### What are the construction time frames?

The construction of a typical 5MW solar farm takes approximately three months.

#### How will construction affect the local community?

During construction of a typical 5MW solar farm, approximately 50 personnel will be on site working from 7am to 4pm, Monday to Friday (i.e. only during the daytime, and not on weekends). There is the potential for air quality to be impacted by construction activities such as generating dust from minor earthworks, construction vehicles driving on unsealed access roads and wind blowing over stockpiles and exposed surfaces. However, standard construction management practices include mitigation measures to suppress dust for each phase of development.

#### How noisy are solar farms during operation?

Solar PV farms are almost silent – tracking solar PV rows move at an unobtrusive and slow rate, producing minimal noise. The only noise emitted from an operational solar farm is from the substation and inverters, which can be inaudible if appropriate buffer distances are used. There is no noise from inverters at night. Since noise impacts are more significant during the construction phase, these are generally mitigated through standard construction management practices.

#### What about impacts on quiet enjoyment in rural living surrounds?

There are no available guidelines to assess impacts on non-sensitive land uses, such as recreational use of rural land. The potential for noise to affect the enjoyment of adjacent rural land would be largely confined to the construction phase; these impacts can be mitigated by construction management strategies, such as limiting construction to daytime hours.

#### How will the farm be accessed and maintained?

Once operational, the site will be unmanned. Routine maintenance is scheduled quarterly, to be carried out by a crew of two to three people.



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