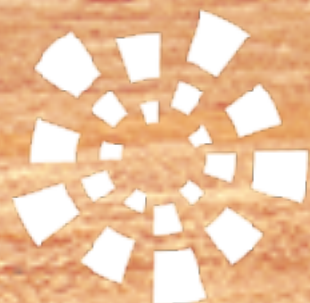




CHILE'S CSP OPPORTUNITIES



SOLAR ENERGY
PROGRAM



What if Chile
becomes a global
leader in solar energy







COMITÉ CORFO



SOLAR ENERGY
PROGRAM

Sections 

The Washington Post

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'A SOLAR SAUDI ARABIA'

While Trump promotes coal, Chile and others are turning to cheap sun power

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Chile leverages its lithium with manufacturing incentives

Companies bid on projects tied to the country's vast reserves



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13 REASONS WHY ▶

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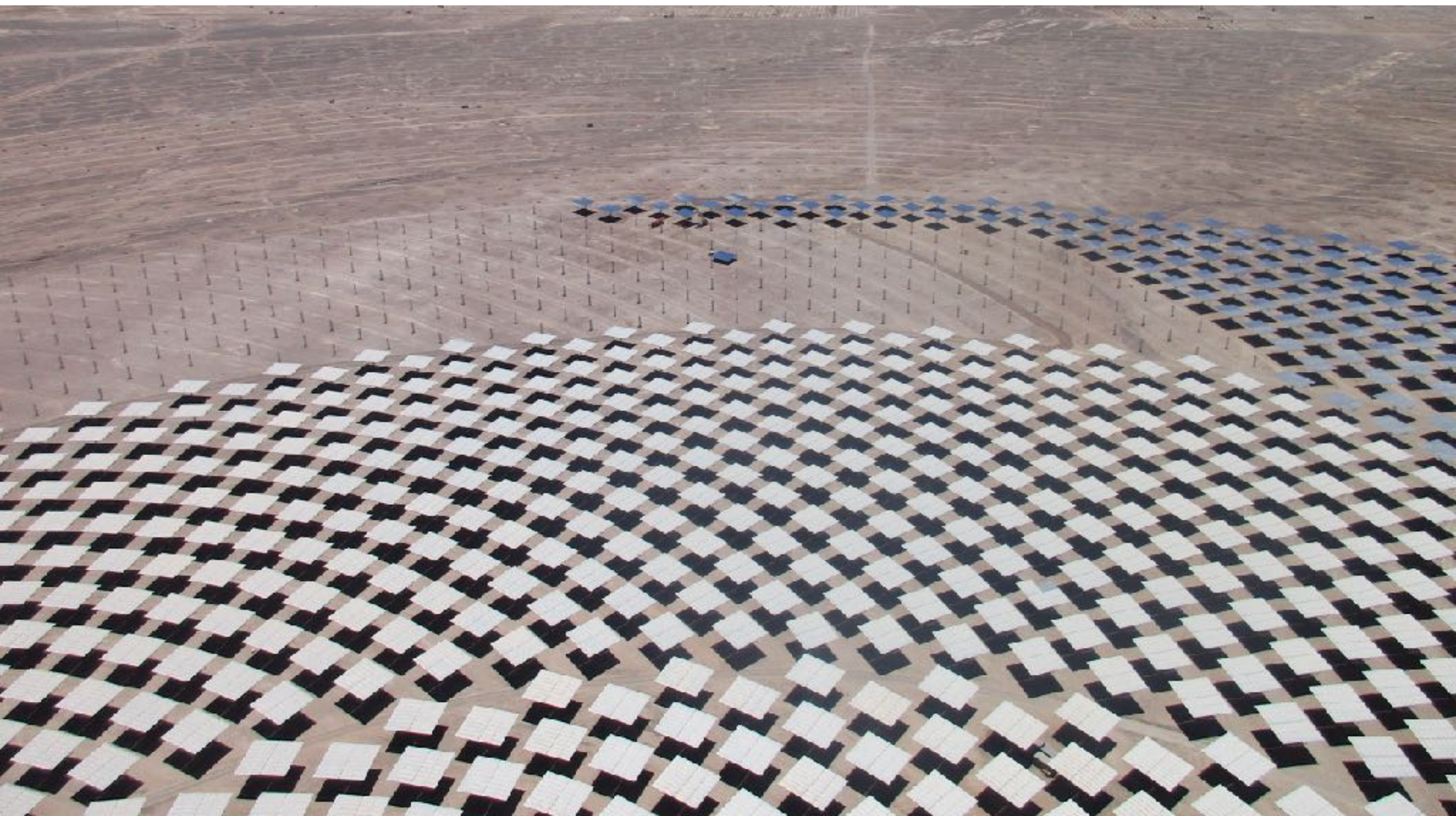




COMITÉ CORFO



SOLAR ENERGY
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To keep the rise in global temperature below 2°C,
by 2030 RE's share
should be duplicated

36%

Source: Perspectives for the Energy Transition IEA-IRENA, March 2017



By 2050 should increase
at least up to

65%

Source: Perspectives for the Energy Transition IEA-IRENA, March 2017



Which will mean a CSP
installed capacity of
720 GW.

Source: Perspectives for the Energy Transition IEA-IRENA, March 2017

And a PV installed
capacity of

6.300 GW.

Source: Perspectives for the Energy Transition IEA-IRENA, March 2017



And an increase of the
stock of electric vehicles
up to

850 Mill.

Source: Perspectives for the Energy Transition IEA-IRENA, March 2017



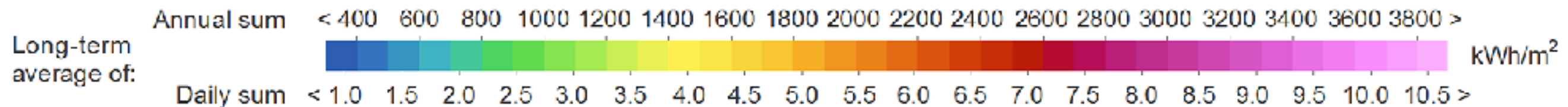
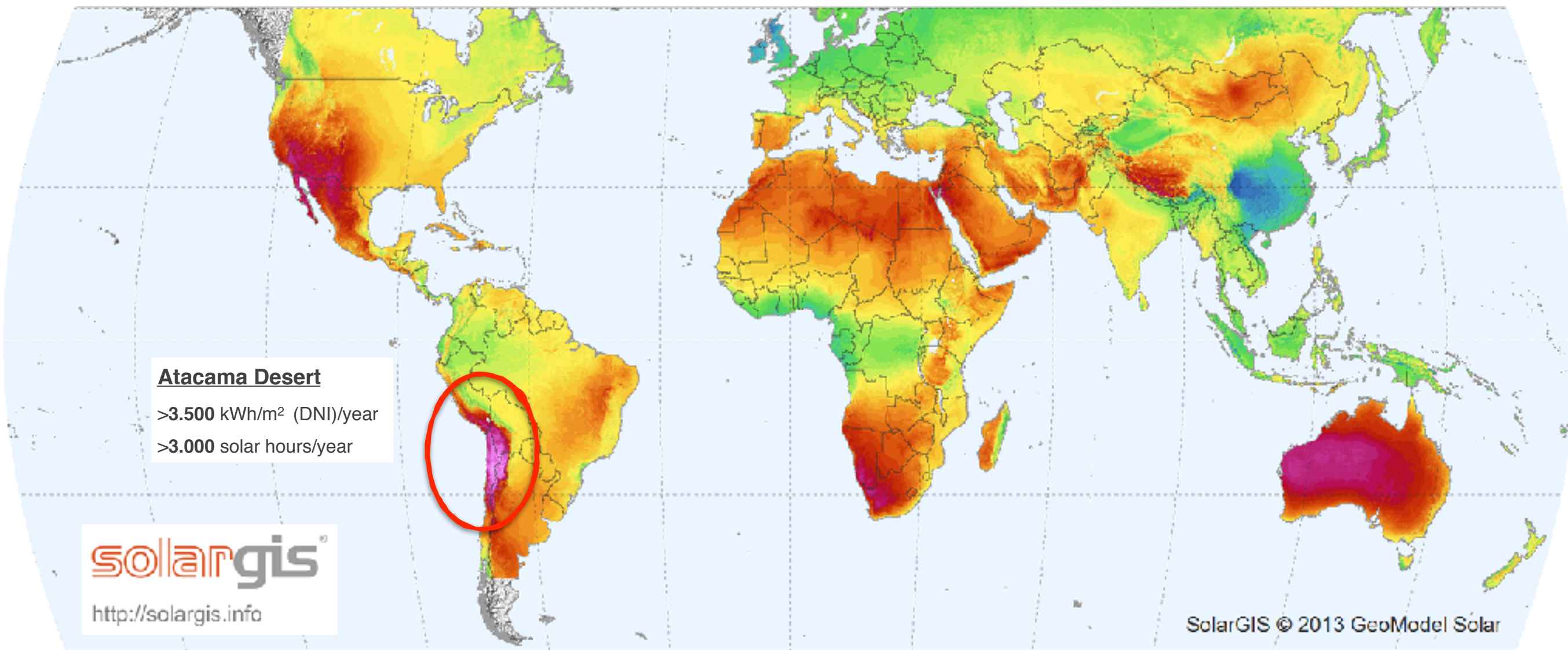
Renewables, energy
efficiency and E-Mobility
will drive the future
demand for copper

Source: BHP Billiton, 2016

! And also for Lithium !

Source: Bloomberg, 2016

OUR PERFECT STORM?: THE CHILEAN SINGULARITY



SOLAR

TECHNOLOGY DISTRICT

- MEGA SOLAR POWER STATION (750 MW- 1GW)
- ECO INDUSTRIAL PARK
- PUBLIC LAND (NATIONAL ASSETS MINISTRY)
- COMPETITIVE PRICES
- SUPPLY QUALITY (~ 24/7)
- TECHNOLOGY MIX

COMPONENTS

INDUSTRIAL DEVELOPMENT

In cooperation with GIZ and DLR a mapping of the selected technologies value chain was made, a survey of local businesses gaps and a competitive development strategy was identified

SITE DEVELOPMENT

Development of optimal sites based in its technical characteristics, baselines, electric infrastructure, fitting out perimeter closures and interior roads, concession tendering and granting to generators.

FINANCING

Financing opportunities through Climate Change Funds.

ENERGY SUPPLY

Deals with free clients (mining industry) and analysis of opportunities within the next Electrical Bids.

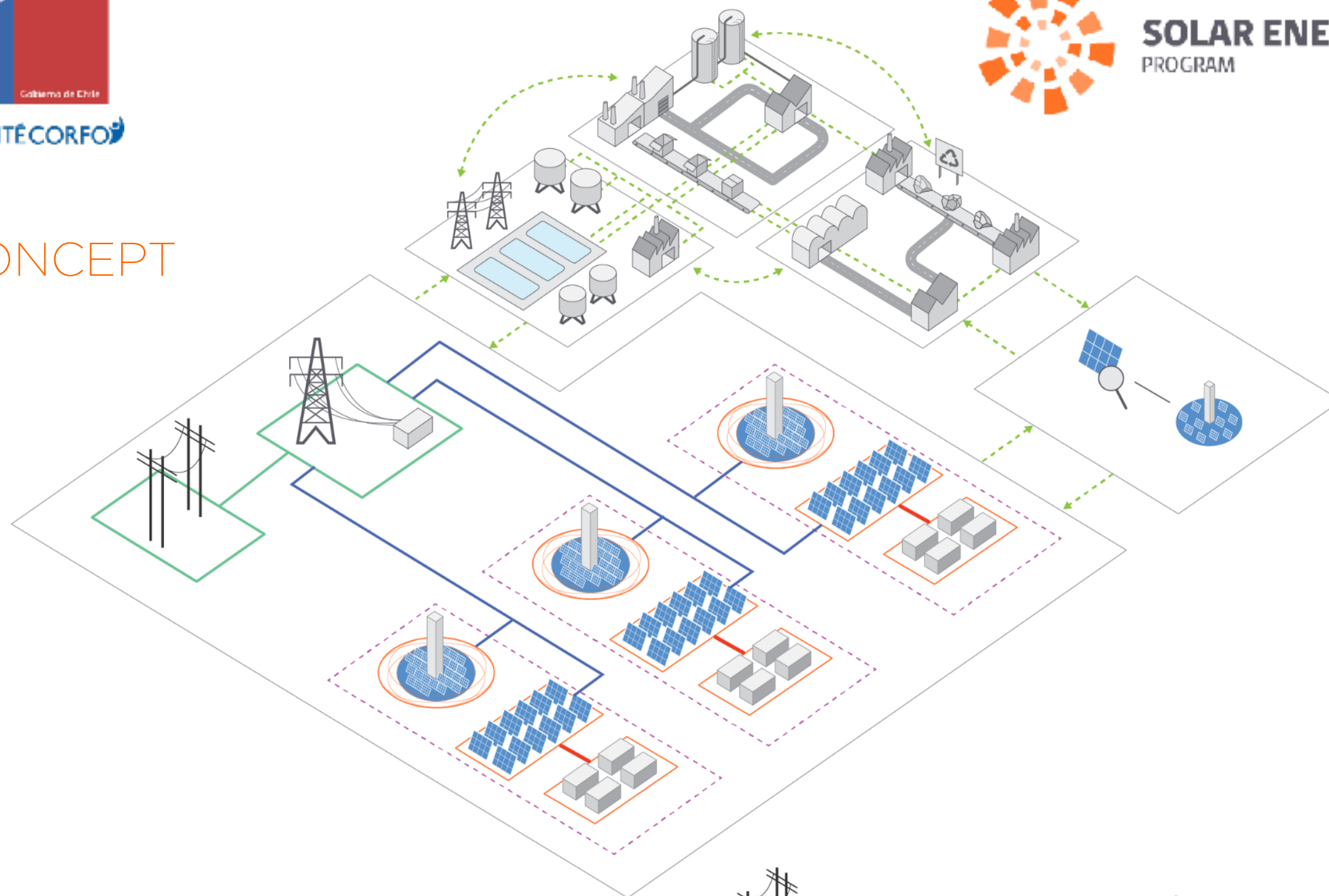


COMITÉ CORFO

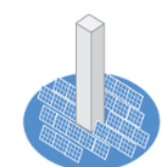


**SOLAR ENERGY
PROGRAM**

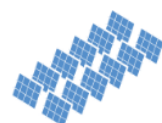
CONCEPT



- Bloques de licitación
- Lotes de generación solar
- Enlace FV- BESS (Almacenamiento de energía)
- Red intra distrito solar 110 KV
- Línea de transmisión adicional



Planta de Concentración Solar



Planta Fotovoltaica



Subestación eléctrica



Subestación elevadora



Sistema de almacenamiento de energía



Parque Industrial



I+D Solar



Simbiosis industrial

DTS EXPECTED IMPACTS



TOTAL
INVESTMENT

4,000
MM US\$



EMPLOYMENT

3,000

direct employment
during construction

300

direct employment
during operation

~12,000

indirect employment
over its life cycle



EMISSIONS
REDUCTION

1,000,000

TON CO2 EQ.
(REF. COAL)

600,000

TON CO2 EQ.
(REF. NG)

INTERNATIONAL INSTITUTE FOR SOLAR AND MINING (IISM)

The main purpose of this project is to strengthen our technology infrastructure and human capital to develop solar technology programs, which will consider the following lines:

MAIN LINES

DESERT PV SYSTEMS

Development of PV components suited for extreme desert conditions

MOLTEN SALTS FOR CSP

Use of minerals like Lithium to test new molten salts for CSP technologies

SOLAR METALLURGY

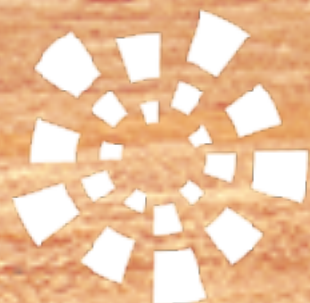
Development of technological applications to intensify the use of solar energy in metallurgy processes

FUELS

Test of technologies to produce fuels using PV electricity or concentrated solar energy



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