# **DEG – more than finance:** We shape transformation

KPW ato

Infrastructure & Energy 2024

KFW DEG

## **Introduction to DEG**

### One of the world's leading development finance institutions (DFI)

Who is DEG?	<ul> <li>Our job is financing development: DEG is Germany's development finance institution</li> <li>Focused strategy: DEG's mandate is to support the private sector in developing markets</li> <li>AAA rated shareholder: DEG is indirectly owned by the Federal Republic of Germany through its parent company KfW</li> </ul>
Where is DEG?	<ul> <li>European base: Headquartered in Cologne, Germany</li> <li>Local presence: 21 global offices in all major developing regions, local network in &gt; 80 local offices of KfW</li> <li>Global reach: Investment portfolio of around EUR 9.2bn across 90+ developing economies</li> </ul>
Which funding solutions does DEG offer?	<ul> <li>Long term partnership: DEG specialises in long-term funding (up to 21 years; depending on structure)</li> <li>Financial instruments: Fund investments, direct equity, mezzanine and senior loan funding solutions</li> <li>Multiple currencies: DEG offers EUR, USD, and selected local currencies</li> <li>Other products: DEG offers technical assistance programs ("BSS") and provides further promotional funding solutions (e.g. AfricaConnect, Upscaling, develoPPP)</li> </ul>
Who are DEG's clients?	<ul> <li>Business clusters: Infrastructure &amp; energy, industries &amp; services, financial sector</li> <li>Diverse businesses: Project developers, entities of local and international groups, family-owned businesses, PE funds, financial institutions, medium-seized businesses, multinational stock-listed firms</li> <li>Strong sponsors with a proven track record: technical &amp; financial experience, qualified management, transparent shareholding structure and accounting system</li> </ul>

## Worldwide presence of KfW Group and DEG

Approx. 80 offices and representations with regional experience and networks



DEG has established contacts in key regions and main foreign markets and can ensure physical proximity for optimal advisory support across borders

## **Focus Sectors**

Infrastructure & Energy



Bulk Water Supply (incl. Desalination) Integrated Water Utilities Waste Water Treatment



Ports - Sea & river ports, port related infrastructure Airports Roads E-Mobility



Transport infrastructure

# Financing solutions - Infrastructure & Energy

DEG can provide tailor-made financing products for your infrastructure projects

### Long-term loan

- Ticket size
   USD 15-60m (up to USD 150m can be mobilized)
- Currencies USD, EUR, CNH, MXN, ZAR
- Interest rate: Fixed/ variable based on risk

### Collateral:

Standard non- or limitedrecourse project financing security packages

### **Mezzanine finance**

- Ticket size: USD 10 – 30m
- Equity mezzanine: Significant equity kickers (e.g. conversion rights, warrants, performance-linked returns etc.)
- Debt mezzanine:
   i.e. long tenor, no-, partial-,

subordinated collateral, subordinated debt service, partially performance linked returns

 IRR depending on project and country risk

### **Equity capital**

- Ticket size: Usually USD 10-30m
- Fund investments: Investments in infrastructure & energy funds
- Direct equity: Minority stakes, up to 25% of share capital; strong minority rights required; exit-driven or long term investments
- Flexible structures: Sub. Loans, convertible loans, preferred shares etc.
- IRR depending on project and country risk

DEG's involvement as a long-term financier or an anchor investor can have a catalytic effect

## **DEG's Business Support Services in a Nutshell**

We cover up to 50% of the costs with a DEG contribution of maximum EUR 200k; project duration ~ two years;

Develop New Markets	<ul> <li>Feasibility Study Support:</li> <li>Studying concrete investment opportunities for innovative sustainable technologies or services in new markets</li> </ul>
Improve Business Performance	<ul> <li>Standardized Projects</li> <li>Existing framework contracts with best in class advisors (quickly deployable)</li> <li>Standardized approach for topics like E&amp;S management, energy efficiency,</li> <li>Tailor Made Projects</li> <li>Projects addressing your individual topics in all areas of business performance</li> <li>Joint tender for advisors or reimbursement of costs for your advisor of choice</li> </ul>
Work with your Community	<ul> <li>Qualification and Training Initiatives:</li> <li>Qualification and training Initiatives for your workforce</li> <li>If project has effects on the wider community -&gt; potentially eligible for <u>develoPPP</u> program; DEG contribution of up to 2 Mio.; 50% of the costs; e.g. large scale training initiative (national or regional) quarterly idea competitions; available in ~70 countries</li> </ul>

# Infrastructure & Energy Business Support Services (BSS)

We cover up to 50% of the costs with a DEG contribution of maximum EUR 200k; project duration ~ two years;

	Develop New Markets	Improve Business Performance	Community Engagement			
Existing toolkit	Thematic Bond Advisory	Energy Efficiency Checks				
Standardized products	Market & Feasibilty Studies	ESMS Advisory for RE Projects	develoPPP Projects possible in			
<u> </u>		Context Analysis (Indigenous Peoples)	many countries			
		Gas Power Plants Emissions and Performance Checks				
Selected references	Feasibility Studies for innovative RE Projects	Biodiversity Monitoring & Management	Qualification and Training Initiatives for your workforce			
Tailor made project <sup>©</sup>	Feasibility Studies green Hydrogen/Ammonia	Climate-Strategies TelCo Providers	Independent Complaint Mechanism/ remedy case			
	Feasibility Studies Battery Storage	Carbon Credit Advisory	Community Development			
Climate Advisory and Reduction Initiative (CARI) – Additional Funding for the Implementation of DEG's Climate Strategy						

# **DERa – DEG's Development Effectiveness Rating**

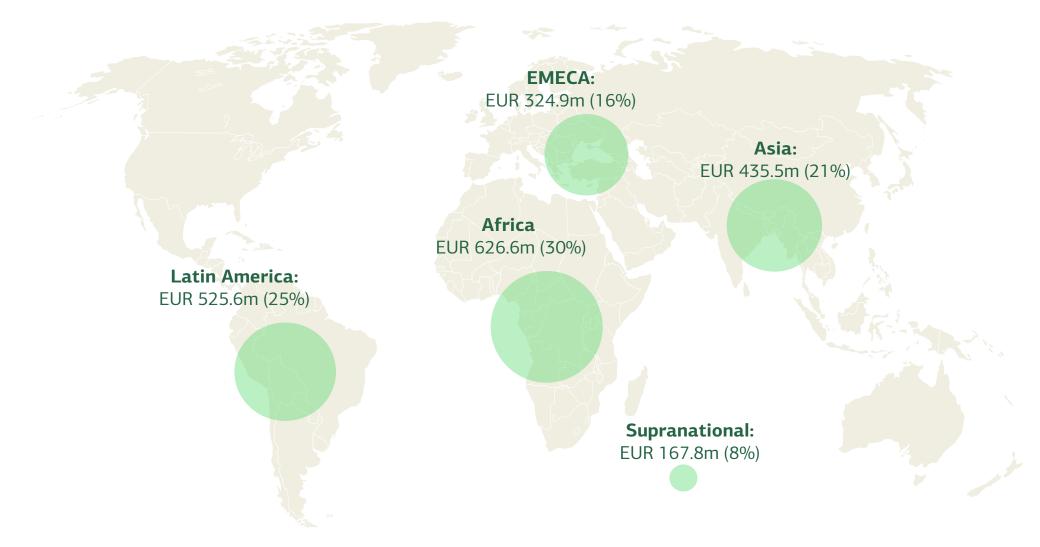
We measure the impact of our financings with the DERa





# DEG's Infrastructure & Energy Portfolio 2023 by Region

EUR 2.08b Invested in Energy and Infrastructure (includes IEa, IEb and IEc)

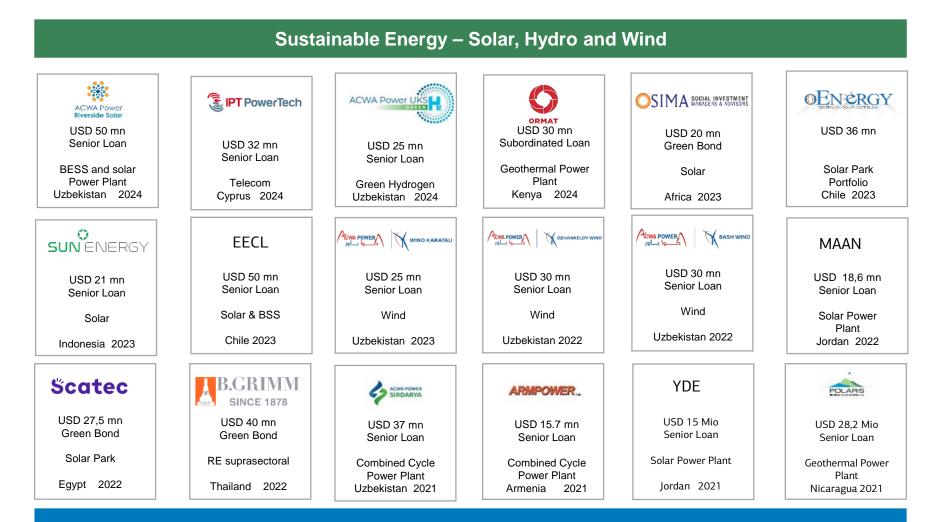


Portfolio size is based on commitment volume (Zusageobligo).Includes IEa, IEb and IEc. EMECA includes Europe, Central Asia and the Middle East.

**Success Stories** 

## **Debt Portfolio: Energy**

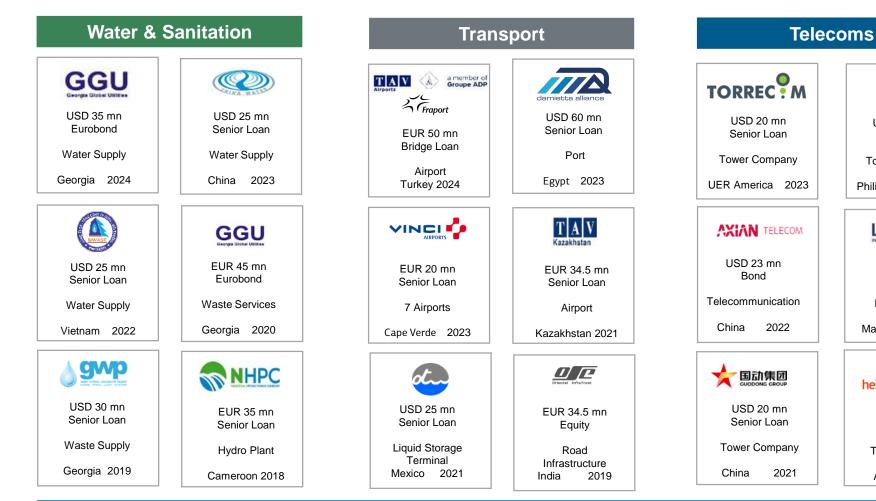
Financing energy transformation and sustainability efforts is a key pillar of DEG's strategy



DEG provides financing for all major sustainable energy asset classes

## **Debt Portfolio: Infrastructure**

DEG has a successful track-record in all major infrastructure asset classes



DEG finances the entire water value chain; transport infrastructure from (air)ports via roads to e-mobility and offers financing for telecoms & digitalization

CREI

USD 19,4 mn

Senior Loan

Tower Company

LIQUID

USD 25 mn

Furo Bond

Existing Bond

Refinancing

USD 25 mn

Term Loan

Tower Company

2021

Africa

Mauritius

2022

2021

Philippines

## **Equity Portfolio Infrastructure & Energy**

Equity investments are an integral part of DEG's infrastructure & energy strategy

Energy		Telecoms & Transport		Funds		
GEC	eranove	Eastcastle	AMIN	A.P. Moller Capital		CONVERGENCE PARTNERS
Equity-Mezz	Equity	Equity	Equity	Fund	AllF4	Fund
Hydro, Solar & Wind Power	Energy & Water	Telecom Towers	Telecom Towers	Transportation / Logistics	Fund Infrasctructure Pan- African 2023	Digital Infrastructure
Vietnam 2022	lvory Coast 2021	Pan-African 2021	Pan-African 2021	Africa & Asia 2023		Africa 2022
think energy	AVAADA	Oriental InfraTrust	IHS	North Haven India Infrastructure Fund	Ashmore Andean Fund II	DENHAM CAPITAL
Equity Wind Power	Equity Solar/Wind-	Equity	Equity	Fund	Fund	Fund
Chile 2019/2020	Platform India 2019	Toll roads	Telecom Towers Pan-African 2014	Infrastructure India 2019	Infrastructure & Energy Latam 2022	Energy Global 2017
VETROELEKTRANE BALKANA A TESLA WIND COMPANY	Azure Power	TIA				PEMBANI • REMGRO — INFRASTRUCTURE MANAGERS —
Equity	Equity-Mezz	Equity			Fund	Fund
Wind Power	Solar Power	Airport			Infrastructure	Infrastructure
Serbia 2018	India 2015	Albania 2005			Pan-African 2017	Pan-African 2015

DEG provides equity financing via dedicated infrastructure funds and direct investments

### Green Hydrogen in Uzbekistan

### Customer: ACWA Power UKS Green H2 LLC JV



Picture credits: AdobeStock/513533742/AA+W



#### The customer

 The DEG client ACWA Power has set up a SPV for the development, design, construction, ownership, and operation of first integrated Green Hydrogen and Wind project in Uzbekistan.

#### Services provided by DEG

 DEG provides a Guarantee Backed loan of USD 25m to support ACWA's equity portion of the project.

- The transaction contributes to the energy transition in Uzbekistan by providing 100% renewable energy and supports the technological diversification, thus boosting the market development in Uzbekistan.
- It entails a learning curve for DEG on the first Green Hydrogen financing in Uzbekistan and fits to DEGs climate/impact strategy as well as to KfW Plus.

# **Supporting Green Energy Generation in Kenya**

Customer: OrPower4 ("Olkaria")





Picture credits: KfW-Bildarchiv / Anne Schönharting

#### The customer

- OrPower4 is the largest independent power producer in the Naivasha region, Kenya. It is a fully owned subsidiary of ORMAT, the world's leading geothermal technology provider.
- The company operates a geothermal power plant in the Olkaria steam field since 2000.

#### Services provided by DEG

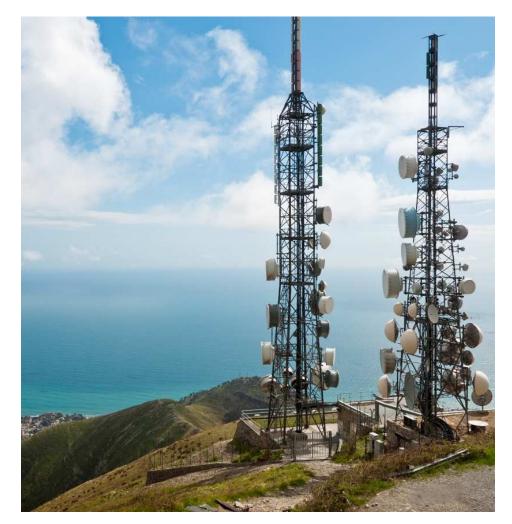
- DEG provides a top-up financing in form of a subordinate loan of up to USD 30m, increasing the overall "Barobligo" to USD 58.6m.
- DEG finances the project since 2008 and mobilized funds from European Finance Partners and Evangelische Bank.

- In 2021, OrPower4 had started a geothermal drilling program to regain the Project's full operational capacity of 139 MW, from around 110 MW before. DEG's financing is essential to ORMAT to enable the company to further invest.
- The project company has been a positive contribution to local economic growth and thus supports the SDG 8 ("Decent Work and Economic Growth") and 9 ("Industry, Innovation and Infrastructure").
- Olkaria supports the provision of affordable and renewable energy, contributing to SDG 7 "Affordable and clean energy".
- Also, the Project provides reliable base-load electricity in Kenya, a country which continues to grow quickly and often experiences excess electricity demand.

# **Facilitating Digital Growth in Africa**

Customer: Helios Towers plc ("HTA")





Picture credits: AdobeStock/41544289/itestro

#### The customer

- Helios Towers Africa ("HTA") is a independent tower company which is active in 9 countries throughout Africa and the Middle East. In 7 of its active locations HTA is the market leader.
- Helios specialises on building, acquiring and operating telecommunications towers and rent them to mobile network operators. The firm has more than 14,000 sites.

#### Services provided by DEG

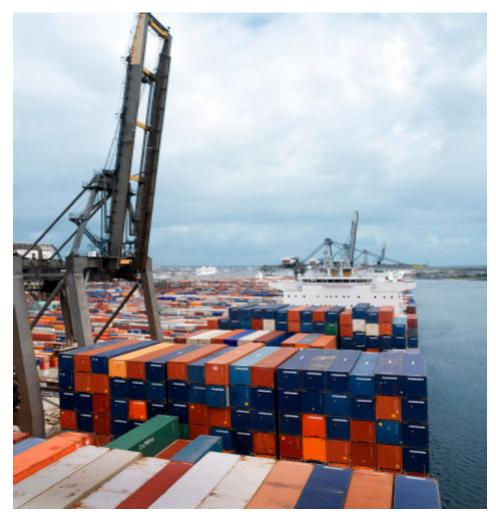
- Since 2013, DEG has financed HTA with several facilities and helped Helios to successfully gain access the capital market in 2017. DEG's latest engagement helps HTA to refinance an outstanding bond.
- DEG acts as an anchor investor and financed USD 55m of the USD 850m bond issued. The offering was three times oversubscribed.

- DEG's new engagement will help HTA to continue its successful growth path in a challenging environment. Further, our financing provides a strong signal to institutional investors to mobilize private capital.
- HTA has an "AAA" ESG rating from MSCI, the highest possible. The deal's development quality is also reflected in the exceptionally high DERa of 116. Mostly, HTA's impact stems from providing critical infrastructure in a structurally underdeveloped region. Also, HTA employs mostly local population and has a local procurement structure.
- HTA is committed to reduce the GMG emission per tenant by 46% until 2030 and will invest USD 100m in programmes to reduce its carbon footprint.

# **Enhancing Access to Global Trade in Egypt**

Customer: Damietta Alliance Container Terminals, S.A.E.





Picture credits: KfW-Bildarchiv / Rüdiger Nehmzow

#### The customer

- Damietta Alliance Container Terminals, S.A.E. is a project company established to operate a second container terminal in Damietta, Egypt.

#### Services provided by DEG

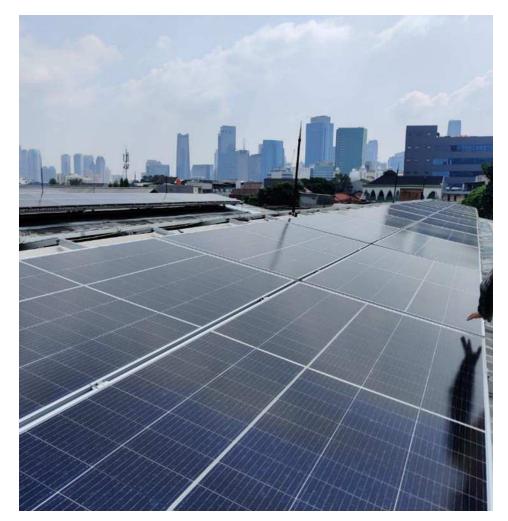
- DEG, together with the EBRD, the IFC, the AIIB and Proparco, is financing the construction and operation of a container terminal in the port of Damietta.
- DEG contributes a tranche of USD 110 million, of which USD 60 million will be taken on DEG's own book.

- DEG is investing in this challenging region of North Africa to support the German clients Eurogate and Hapag-Lloyd, as well as Italian port operator ContShip.
- The project will lead to a reduction in average CO2 emissions per container, as shipping routes can be made more efficient and climate-friendly technologies can be used in the port.
- The project is also of strategic importance for the economic development of Egypt, which will benefit from improved connections to the global market and the modernization of its transport infrastructure.

# Supporting C&I Solar in a fast Growing Market

### Customer: PT Surya Utama Nuansa ("SUN")





Picture credits: Sight visit by Abhas Sharma

#### The customer

- SUN is a young company in the area of Commercial and Industrial (C&I) rooftop solar power in Indonesia
- Until today SUN operates over 60 projects with a capacity of over 50MW and is a leading solar project developer in Indonesia.

#### Services provided by DEG

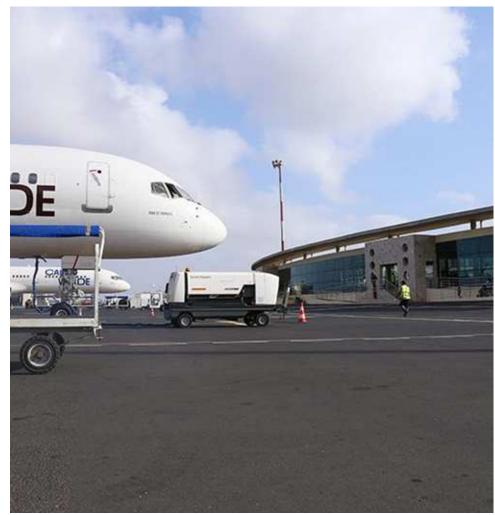
- DEG provides a 2<sup>nd</sup> senior long term loan facility of USD 21m to finance the debt portion of additional 62MW capacity.
- 2<sup>nd</sup> facility can be used in a more flexible way as long as certain criteria are met.

- SUN is a fast growing but still small company by absolute numbers. However, it is among the first to invest in the area of C&I and provides affordable, reliable and sustainable energy.
- SUN plans to increase it's operational capacity to up to 126 MW by 2025. DEG's financing helps SUN to achieve its goal.
- DEG's investment will help to more than double the number of permanent jobs to ca. 80.
- DEG's financing supports Indonesia's ambitious climate goals to increase PV rooftop capacity to 3,600 MW and achieve its Net Zero Emissions target by 2060.

# **Financing for Airports in Cape Verde**

Customer: Vinci Airports Cape Verde Ltd.





#### The customer

- Vinci Airports one of the largest private airport operator worldwide
- Underlying assets in Cape Verde: 7 airports; 4 international and 3 domestic

### Services provided by DEG

- DEG provides a long term senior loan alongside IFC and Proparco, each party financing EUR 20m
- Another tranche is foreseen in 2025

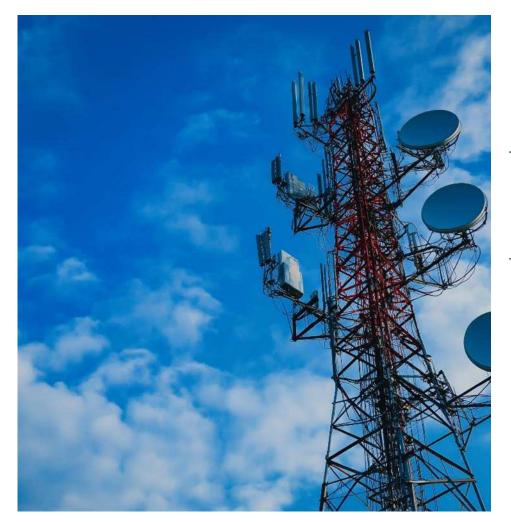
- DEG supports the privatization process incl. payment of a concession fee in favour of the government
- Company takes action to reduce CO2 emissions of the airport, including the Airport Carbon Accreditation programme
- Promotion of a life-long learning program for the over 300 employees and fostering of women's careers

Picture credits: Vinci Airports Cape Verde Ltd.

# **Driving Mobile Telecom Coverage in LATAM**

# Coverage in LAT





#### The customer

- Torrecom Partners LP and its subsidiaries ("TowerCos") in presently in 10 Central- and South American countries.
- Torrecom specializes on built-to-suit ("BTS") telecom towers, i.e. building, operating and leasing space on BTS telecom towers to mobile network operators.

### Services provided by DEG

- DEG is lender under a syndicated USD 70 million term loan facility led by French Proparco and together with the IDB
- DEG contributes USD 20 million long term funding

### The investment and its impact

- Torrecom's investment program envisages additional 450 towers in several Central- and South American countries
- The wider tower network will improve mobile telecom coverage and enable access to broadband services to underserved regions.
- Broadband access drives economic development and improves well being of the population.

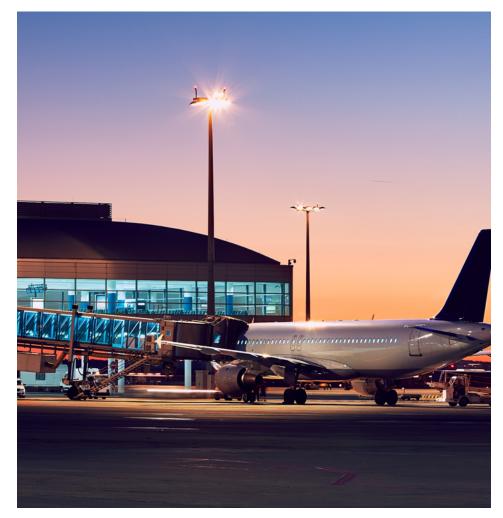
Picture credits: Adobe Stock/1068379859/JubkaJoy

**Customer: Torrecom Partners** 

## Airport acquisition, expansion and sustainable transformation

### Customer: TAV Kazakhstan LLP





#### The customer

The domestic SPV's main Sponsor (85%) is TAV
 Airports, who has together with it's shareholder Groupe
 ADP, a strong track-record in global airport
 management.

### Services provided by DEG

- USD 38.8 mn within a 15Y project financing (jointly arranged by IFC/EBRD) of up to USD 450 mn.
- DEG plays a counter-cyclical role to finance a critical infrastructure project within a sector deeply affected by the COVID-19 crisis.

- Upgrade, expansion and partial refinancing of the acquisition of capacity-constrained Almaty Airport, Kazakhstan's largest international airport.
- Construction of a new, energy-efficient terminal with green-building certification in line with DEG's new impact and climate strategy.

Picture credits:AdobeStock/178863677/Chalabala

# Supporting solar power in Chile

Customer: Condor Solar SpA (Oenergy)





#### The customer

 Condor Solar SpA is a privately owned renewable energy holding in Chile owned by Blue Elephant Energy AG (Germany) and oEnergy Capital SpA (Chile)

### Services provided by DEG

 DEG contributes to the financing of the project by providing a senior loan of 60m USD together with colender Cofides who adds another senior loan USD 15m

- Portfolio of 12 greenfield solar PV plants with a total capacity of 99MW in the region of Santiago de Chile achieving COD in H1 2023
- The project is part of the small-scale distributed generation program ("PMGD") and generates energy to be sold at stable and regulated price.
- By exploiting the irridation potential of the country, the project provides an additional energy source and enables Chile to reduce the import of fossil fuels as well as greenhouse gas emissions

Picture credits: AdobeStock/357023493/Inveru

# **Expansion of Efficient Water Supply**

Customer: Binh Duong Water-Environment Joint Stock Company -Vietnam





Picture credits: Paul Heinemann

#### The customer

- BIWASE, listed at the HCMC stock exchange, is Vietnam's largest privately owned water supplier, serving > 2 million inhabitants and 14,000 companies
- Dominant position in the fast developing and industrialized Binh Duong province, also active in waste treatment/recycling
- Continuous investment requirements due to water demand growth, driven by economic/population growth & urbanization

### Services provided by DEG

- USD 25 million corporate loan to finance the expansion of water supply capacities (water treatment and pipeline system)
- Provision of long-term, maturity-matching funds for its capitalintensive business
- Support of the company in the transition phase from a formerly state-owned enterprise to become financially self-sufficient and to apply international ESG standards

- Transaction helps to ensure the availability/security of clean water supply and to increase the water coverage ratio
- High operational efficiencies/low water losses of BIWASE makes a strong case for further privatized water companies, thereby stabilizing the tariff affordability for end consumers
- Formalization of a Water Safety Plan to mitigate risks stemming from increasing pollution of raw water sources

## First Utility Scale Solar Power Plant in Cambodia

Customer: Risen Energy (Cambodia) Battambang Co., Ltd.





#### The customer

 The SPV has been established by Risen Energy Co., Ltd. to implement a greenfield 60 MW solar PV project in Battambang province, Cambodia.

### Services provided by DEG

- Tailor made, well-balanced financing structure attractive to both client and financing partners.
- DEG arranged and lead the consortium of USD 44.8 million debt project financing for the development, construction and operation of the power plant.

- The Project is the first major utility scale power plant in Cambodia.
- It will mitigate the existing power crises in the country; it will produce enough electricity to power approximately 100,000 Cambodian households.
- It will offset the equivalent of 59,400 tons of carbon dioxide during each year of operation.

Picture credits: AdobeStock/67544874/kessudap

**Contact Details** 

## Your contact

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