

## Introduction to DEG

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

#### Who is DEG?

- Our job is financing development: DEG is Germany's development finance institution
- Focused strategy: DEG's mandate is to support the private sector in developing markets
- AAA rated shareholder: DEG is indirectly owned by the Federal Republic of Germany through its parent company KfW

## Where is DEG?

- European base: Headquartered in Cologne, Germany
- Local presence: 21 global offices in all major developing regions, local network in > 80 local offices of KfW
- Global reach: Investment portfolio of around EUR 9.2bn across 90+ developing economies

# Which funding solutions does DEG offer?

- Long term partnership: DEG specialises in long-term funding (up to 21 years; depending on structure)
- Financial instruments: Fund investments, direct equity, mezzanine and senior loan funding solutions
- Multiple currencies: DEG offers EUR, USD, and selected local currencies
- Other products: DEG offers technical assistance programs ("BSS") and provides further promotional funding solutions (e.g. AfricaConnect, Upscaling, develoPPP)

## Who are DEG's clients?

- Business clusters: Infrastructure & energy, industries & services, financial sector
- Diverse businesses: Project developers, entities of local and international groups, family-owned businesses, PE funds, financial institutions, medium-seized businesses, multinational stock-listed firms
- Strong sponsors with a proven track record: technical & financial experience, qualified management, transparent shareholding structure and accounting system



## 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



## 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, BRL, CNH, INR,
   COP, MXN, PEN, ZAR, PHP,
   TRY
- 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



## **Focus Sectors**

## Infrastructure & Energy

#### **Energy**

Wind Hydropower Solar Geothermal

Hydrogen









#### Telecom

Mobile Network Operators MNO
Tower Companies
Telecom Energy Service Company
Fibre Companies
Data Center



#### Water

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



### **Transportation**

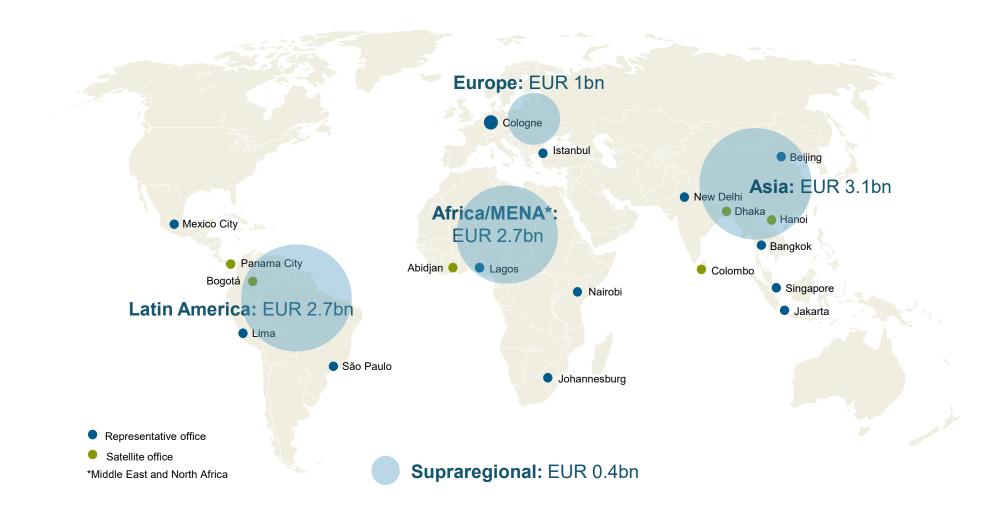
Ports - Sea & river ports, port related infrastructure Airports Roads E-Mobility



## >>> Portfolio

## **DEG portfolio 2022**

EUR 9.9bn invested worldwide. 19 locations.





## >>> Success stories

## **Debt Portfolio: Energy**

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

#### Sustainable Energy – Solar, Hydro and Wind

#### NUKUS

USD 25 mn Senior Loan

Wind

Uzbekistan 2023



USD 37 mn Senior Loan

Combined Cycle Power Plan Uzbekistan 2021



USD 26.5 mn Senior Loan

Wind Power Plant

Indonesia 2020

#### DZANWIND

USD 30 mn Senior Loan

Wind

Uzbekistan 2022

#### ARMPOWER\_

USD 15.7 mn Senior Loan

Combined Cycle Power Plant Armenia 2021



USD 12.8 mn Senior Loan

Wind Park

Pakistan 2019

#### BASHWIND

USD 30 mn Senior Loan

Wind

Uzbekistan 2022

#### YDE

USD 15 Mio Senior Loan

Solar Power Plant

Jordan 2021



USD 30 mn Senior Loan

Solar Power Plant

Jordan 2019

#### MAAN

USD 18,6 mn Senior Loan

Solar Power Plant Jordan 2022



USD 28,2 Mio Senior Loan

Geothermal Power Plant Nicaragua 2021



EUR 16.4 mn Senior Loan

Solar Power Plant Armenia 2019

#### Scatec

USD 27,5 mn Green Bond

Solar Park

Egypt 2022



USD 60 mn Senior Loan

Solar Park Portfolio Chile 2021



USD 40 mn Senior Loan

Bauxite Mining

Guinea 2019

#### **B.GRIMM**

USD 40 mn Green Bond

RE suprasectoral

Thailand 2022



USD 20.8 mn Senior Loan

Solar Park

Cambodia 2020



USD 12.7 mn Senior Loan

Wind Power Plant

Pakistan 2019

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

#### Water & Sanitation



USD 25 mn Green Bond

Water Supply

China 2022



EUR 30 mn Senior Loan

Water Supply

Georgia 2019



USD 100 mn Syndication of Senior Loan

Water Supply

China 2018



USD 45 mn Eurobond

Waste Services

Georgia 2020



USD 38 mn Senior Loan

Waste Water Treatment Plant Oman 2018



EUR 35 mn Senior Loan

Hydro Plant

Cameroon 2018

#### Transport



EUR 34.5 mn Senior Loan

Airport

Kazakhstan 2021



EUR 34.5 mn Equity

Road Infrastructure India 2019



USD 30 mn Senior Loan

Deep Water Port

Ecuador 2018



USD 25 mn Senior Loan

Liquid Storage Terminal Mexico 2021



EUR 22.4 mn Senior Loan

Airport

Serbia 2018



USD 30 mn Senior Loan

Storage of Cruide Oil

South Africa 2018

#### Telecoms

#### TORRECOM

20 mn Senior Loan

Tower Company

UER America 2023



USD 23 mn Bond

Telecommunication

China 2022



USD 20 mn Senior Loan

Tower Company

China 2021



USD 19,4 mn Senior Loan

Tower Company

Philippines 2022



USD 25 mn Euro Bond

Existing Bond Refinancing Mauritius 2021



USD 55 mn Senior Loan

Energy for Telecom Towers Lebanon 2019

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

## **Equity Portfolio Infrastructure & Energy**

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

#### Energy

#### Eranove

EUR 20 mn Equity

Energy & Water

Ivory Coast 2021

#### Avaada

EUR 31 mn Equity

Solar/Wind-Platform India 2019

#### Azure Power

EUR 10 mn Equity-Mezz

Solar Power

India 2015

## WPD

EUR 24mn Equity

Wind Power

Chile 2019/2020

#### Tesla

EUR 14 mn Equity

Wind Power

Serbia 2018

#### Welspun

EUR 28 mn Equity-Mezz

Solar/Wind-Platform

India 2014

#### Telecoms & Transport

#### Eastcastle

USD 8 mn Equity

Telecom Towers

Pan-African 2021

#### AMN

USD 8 mn Equity

Telecom Towers

Pan-African 2021

#### Oriental Infrastructure

EUR 33 mn Equity

Toll roads

India 2019

TIA

EUR 3 mn

Equity

Airport

Albania 2005

#### IHS

USD 25 mg Equity

Telecom Towers Pan-African 2014

#### Funds

#### Convergence Partners Digital Infrastructure Fund

EUR 19 mn Fund

Digital Infrastructure

Africa 2022

#### Ashmore Andean

Fund II

USD 16 mn Fund

Infrastructure & Energy

Latam 2022

#### North Haven India Infrastructure Fund

USD 20 mn Fund

Infrastructure

India 2019

#### Denham International Power Fund

USD 40 mn Fund

Energy

Global 2017

#### African Infrastructure Investment Fund 3

USD 40 mn Fund

Infrastructure

Pan-African 2017

#### Pembani Remgro Infrastructure Fund

USD 24 mn Fund

Infrastructure

Pan-African 2015

DEG provides equity financing via dedicated infrastructure funds and direct investments

## 1GW Renewable Energy in Uzbekistan

## Customer: ACWA Power Bash & Dzhankeldy Wind





Picture credits: KfW-Bildarchiv / Bernhard Schurian

#### The customer

- ACWA Power Bash & Dzhankeldy Wind are two project companies established to develop, construct and operate two 500 MW wind power plants in Uzbekistan.
- Sponsor and shareholder is ACWA Power, an experienced international developer, investor, co-owner and operator of power generation and desalinated water plants.

#### Services provided by DEG

- DEG participated in the long-term senior debt financing for the two projects by providing two loans totaling USD 60 million.
- DEG played an active role in structuring the financing and improving E&S standards alongside a club of multilaterals and DFIs as well as commercial banks.
- DEG's largest renewable energy project to date across its regions

- The projects benefit from a 25-years USD-indexed PPA.
- The power plants will generate around 3,200 GWh of green energy p.a. and help reduce annual CO2 emissions by 1,800,000 tons after achieving COD in 2025.
- The projects are an important element of the power sector development strategy of Uzbekistan contributing to the targeted development of 12 GW of solar and wind capacity by 2030 to meet growing energy demand and increasing the share of renewables in the energy mix to 25%.



## Solar power in Chile with German partner

Customer: Condor Solar SpA (Oenergy)





Picture credits: AdobeStock/357023493/Inveru

#### KFW DEG

#### 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

## First Utility Scale Solar Power Plant in Cambodia

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





Picture credits: AdobeStock/67544874/kessudap

#### 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

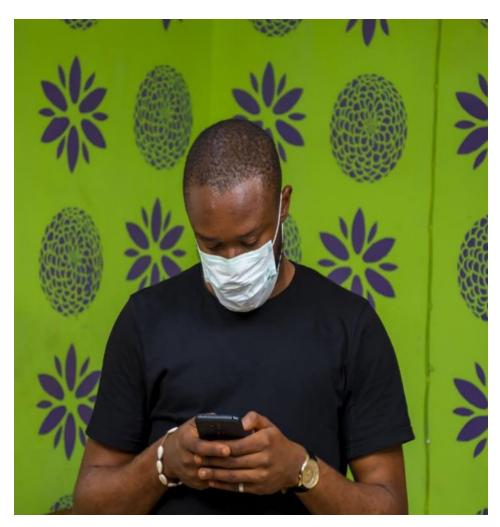
- Tailor made, well-balanced financing structure attractive to both client and financing partners.
- DEG arranged and lead the consortium of USD 44.8 million debt project financing for the development, construction and operation of the power plant.

- 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.

## **DEG** anchors Eurobond issued by Liquid Telecommunications

## Customer: Liquid Telecommunications





Picture credits: AdobeStock/333721586/ Courage

#### The customer

- LIQUID Telecommunications ('LIQUID') is a leading technology and digital solutions provider across 14
   African countries that serves MNO, enterprise and retail customers with high-speed, reliable connectivity and digital services.
- Largest independent fiber network operator in Africa with a network >100,000 km covering more than 300 cities

#### Services provided by DEG

 DEG anchored the USD 620mn bond issue as a hold-tomaturity investor with an investment of USD 25mn in support of the second Eurobond issue by Liquid

- Refinance a previously issued USD 730mn Eurobond that was due in 2022 and to improve and stabilize the clients financing structure in terms of tenor and cost.
- Liquid has established and leading technology brands, including Liquid Intelligent Technologies and Liquid Cloud across multiple countries that offer network and services like internet access, cloud solutions and cybersecurity
- Approx. 150 mn people are linked to Liquid's network.



## **Green Project Finance Bond**

**Customer: Scatec** 





Picture credits: AdobeStock/ 462867683/contributor\_aerial

#### The customer

- Scatec renewable energy developer
- Underlying assets:
  - six PV plants in the BenBan solar complex in Egypt

#### Services provided by DEG

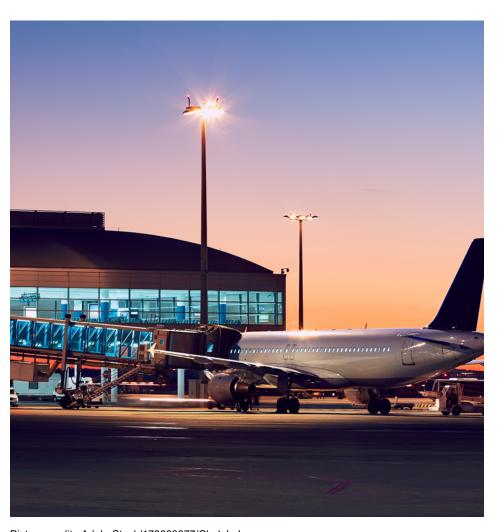
- Anchor investment in Green Project Bonds USD 334.5m
  - USD 84.5m institutional investors (benefiting from MIGA and liquidity support facility)
  - USD 250m DFIs (EBRD; DFC; FMO, DEG)

- Bundling and refinancing of existing project financings on each PV plant (SPV)
- Extending tenor from originally 18 to now 21 yrs (19yrs of new bonds)
- Benefit sharing with Government of Egypt of discounted cash flows to be invested in new Renewable Energy projects in the country
- First private placement, SPV issued Bond on SOFR basis

## Airport acquisition, expansion and sustainable transformation

Customer: TAV Kazakhstan LLP





Picture credits:AdobeStock/178863677/Chalabala

#### 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.



## >>> Contact details

## Your contact

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