

# The European Energy Efficiency Fund

Introduction, January 2021



[www.eeef.eu](http://www.eeef.eu)

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# Agenda

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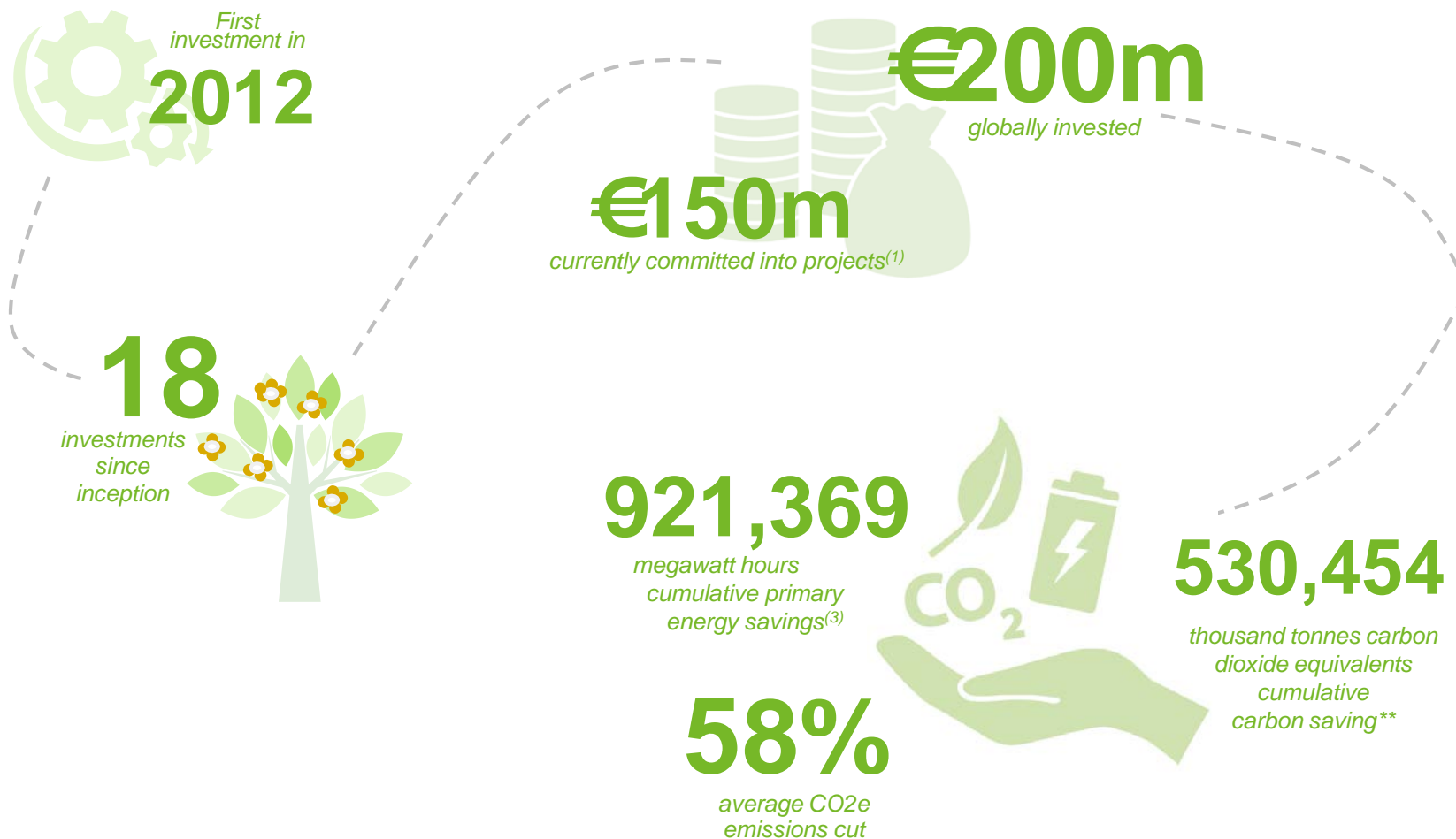
**eeef: advancing sustainable energy in Europe**

2

Portfolio and case studies

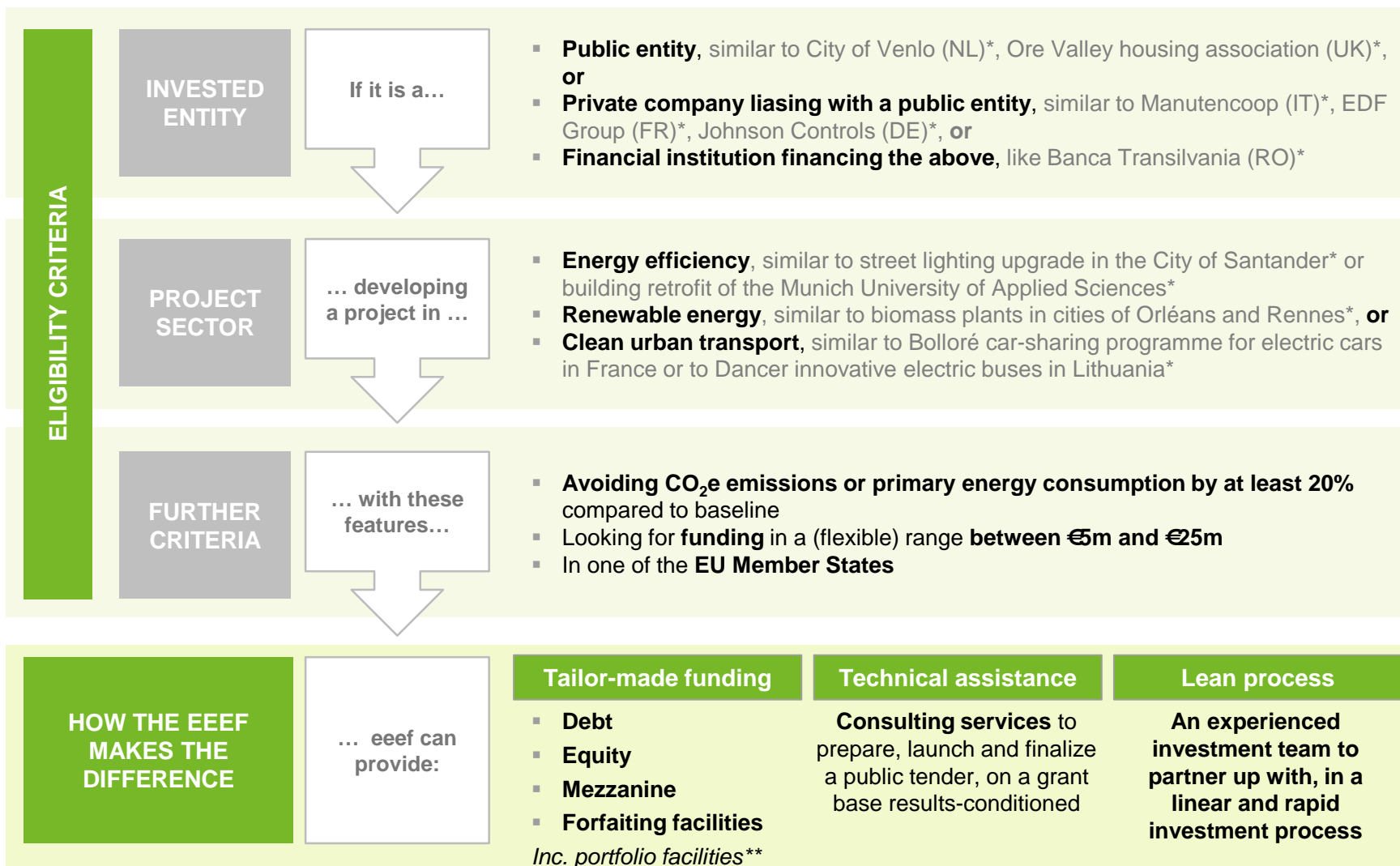
# EUROPEAN ENERGY EFFICIENCY FUND

An established business model delivering measurable impact



# Value proposition

One-stop shop with an agile investment process



\*Examples from eeef's investments for illustrative purpose

\*\*Win-win strategy: from the sponsor pov aggregation enables smaller projects reaching altogether €5m+, from the eeef pov it delivers a more granular fund portfolio

# The eeef investment structure

Investors, funding beneficiaries, investment modalities

Initiator and core investor:  
**European Commission**

Founding investors\*:  
**European Investment Bank,  
Cassa Depositi e Prestiti**

Portfolio Manager and  
investor:  
**DWS**

Target size:  
**€350m+**

Total investor  
commitments:  
**€150m**

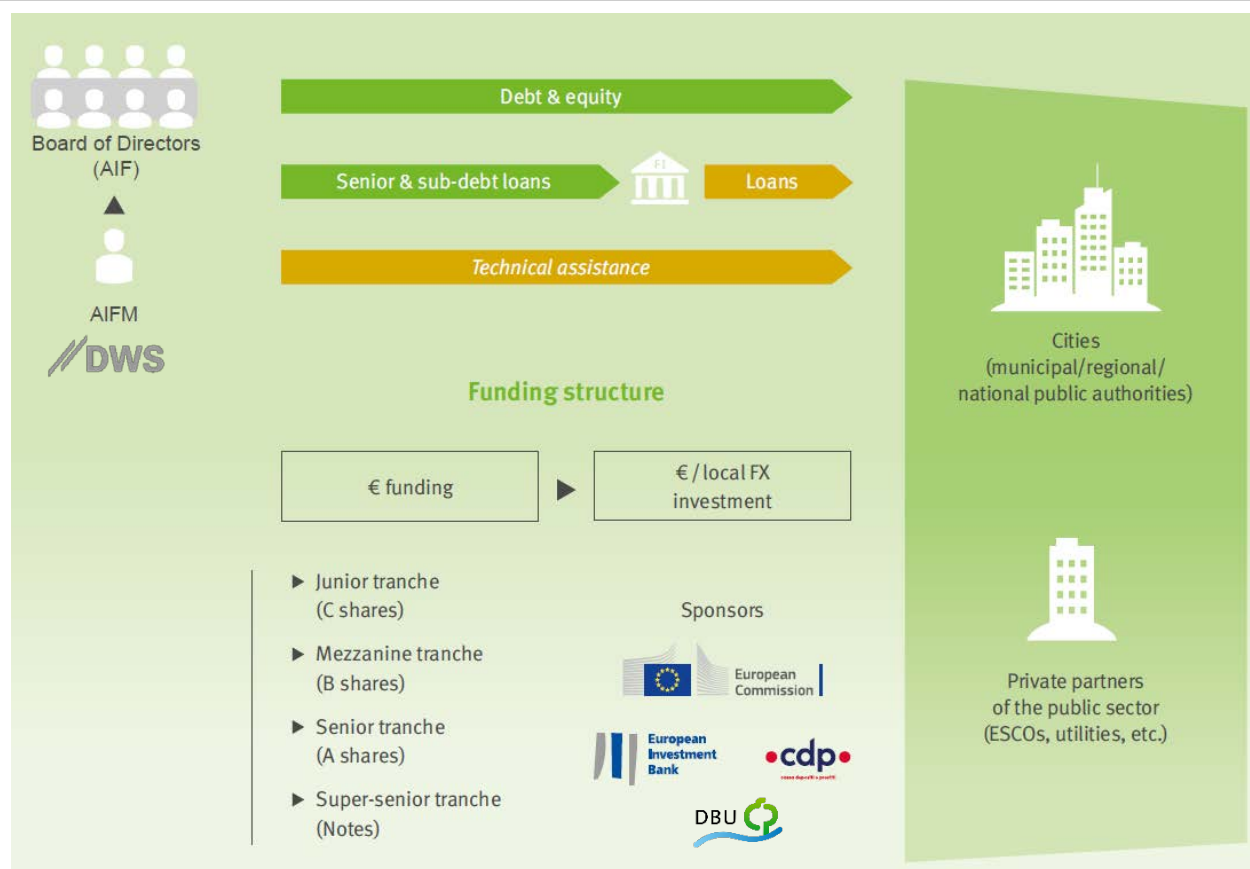
Investment instruments:  
**Long term debt and project  
equity facilities within  
project finance structures**

Geographical scope:  
**The EU Member States**

Expected lifetime:  
**Evergreen**

Legal entity:

**The European Energy Efficiency Fund S.A., SICAV-SIF, société d'investissement à capital variable governed by Luxembourg law registered in Luxembourg. eeef is in the process of conversion to a fully AIFMD-compliant structure.**



\* The EIB and CDP will gradually divest between 2021 and 2026, the European Commission is invested until end of 2034

# Proprietary technical assistance facility

Consultancy services for a higher success rate of projects

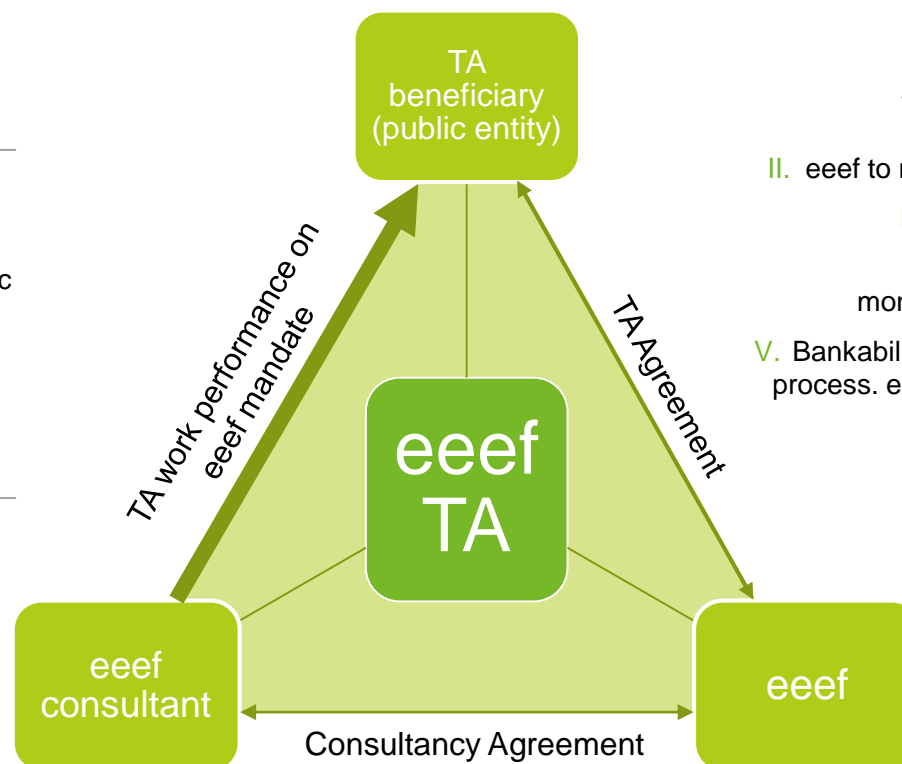
*Technical assistance (TA) to support clean energy projects in the public sector reach fruition on a conditional grant basis*

## TA boundaries

**All activities necessary to prepare investments** - feasibility studies, energy audits, assessment of economic viability of investments, legal support etc.

## Background experience

European Commission technical assistance facility: **16 TA projects in 8 countries**, a total project volume of **€195m facilitated**



## How the TA works

- I. eeef selected consultants
- II. eeef to match consultant with municipality
- III. Joint definition of project scope
- IV. Progresses monitored by eeef on a monthly basis
- V. Bankability built all along the development process. eeef participating to project funding otherwise reimbursement of costs

**Current status:** selected public authorities are Gijón (Spain), Ferrara (Italy), the Italian Ministry of Defence, Province of Bolzano (Italy), Kaunas District Municipality (Lithuania) and Ukmerge District Municipality (Lithuania)

Further funding available

## How to apply as beneficiary

Remaining funding available on a first-come-first-serve basis. Application to submit to [technical\\_assistance@eeef.eu](mailto:technical_assistance@eeef.eu).

All info at <http://www.eeef.eu/eeef-ta-facility.html>

# Agenda

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eeef: advancing sustainable energy in Europe

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**Portfolio and case studies**

# Investments summary to date

The amplest diversification by investment form, size, technology, country

**Orléans**, €5.1m equity, biomass plant to supply heat to the City of Orléans (RE), France

**Rennes**, €7.3 equity, biomass plant to supply heat to the City of Rennes (RE), France

**Bolloré**, €30m debt, electric vehicles and infra for car sharing (CUT), France - matured

**SPL**, €5m debt, refurbishment of public schools (EE), France - matured

**UPM**, €2.5 debt, refurbishment of Universidad Politécnica de Madrid facilities (EE), Spain

**Santander**, €9.2m debt, smart public lighting (EE), Spain

**Wattosun**, €5.1m equity, roof-top PV portfolio (RE), Portugal

**CIMAC**, €12.1m debt, smart public lighting (EE), Portugal

**Vila do Conde**, €5.1m forfeiting facility, street lights upgrade (EE), Portugal

**CHAP**, €2.2m debt, boiler replacement (EE) and onshore wind (RE), UK

**Dancer**, €4m equity, electric buses (CUT), Lithuania

**Venlo**, €8.5m debt, smart public lighting (EE), Netherlands

**Jewish Museum Berlin**, €1.0m debt, building retrofit (EE), Germany

**University of Applied Sciences Munich**, €0.6m debt, building retrofit + cogeneration (EE), Germany

**Banca Transilvania**, €25m subdebt, portfolio of EE, RE, CUT, Romania

**University Hospital St. Orsola**, €32m debt, upgrade of the entire heating and cooling distribution system (EE), Italy

**Illuminated Cities**, €16m equity, portfolio of smart public lighting (EE), Italy

**Smart H&U**, €7m equity, portfolio of hospitals and universities retrofits (EE), Italy



# CASE STUDY

## Largest energy efficiency upgrade in Italy under a PPP framework



### IMPACT STORY

- Tonnes of carbon dioxide equivalent avoided compared to baseline.
- MWh of primary energy avoided compared to baseline.

### LOCATION

- Italy, Bologna
- Hospital St. Orsola

### INVESTMENT CASE

- Lighthouse project for the Italian and European energy efficiency market, demonstrating the positive impact of an energy efficiency investment in a complex upgrade of a public hospital
- Reduction of CO<sub>2</sub>e emissions of 12,662 t/yr, -28% compared to baseline

### EQUITY & DEBT TERMS

Equity provided by Manutencoop Facility Management, Siram, Sinloc

Total project volume: €41m

eef funded volume: €31.8m (via a project bond structure)

Duration of financing: 20 years



ISOM project picture for illustrative purpose

### CLIENT PROFILE

Partners: Progetto ISOM S.p.A (project SPV)  
University Hospital S. Orsola Malpighi (grantor of concession)

The project entity Progetto ISOM signed a concession agreement with the University Hospital S. Orsola-Malpighi, one of the biggest hospitals in Italy (1,758 beds).

Past performance is not indicative of future performance. There can be no assurance that objectives will be met. Details are provided for information purposes only.

# CASE STUDY

## Aggregation of smaller smart street lighting projects



### IMPACT STORY

- Savings in CO<sub>2</sub>e and primary energy are envisaged to reach 74% compared to the baseline.

### LOCATION

- Comunidade Intermunicipal do Alentejo Central (CIMAC), Portugal

### INVESTMENT CASE

- Replacement of existing street lights with ca. 56,000 energy efficient LED lighting points to upgrade among others UNESCO World Heritage site of Évora.
- CO<sub>2</sub>e savings of 5,192 t/yr and primary energy savings of 40,655 MWh/yr.
- The project will also generate €7.1m of monetary benefits for the 14 municipalities over the 12-year concession period.

### EQUITY & DEBT TERMS

Street lighting upgrade via forfeiting facility

Total project volume: €13.5m

eeef funded volume: €12.1m via a forfeiting structure (71% purchase of total receivables of the contract)

Duration of financing: 12 years



CIMAC project picture for illustrative purpose

### CLIENT PROFILE

- Partners:
  - **I- Quatro LDA** (co-owned by I-Sete & Amener )
  - **CIMAC**, an Intermunicipal association representing 14 municipalities

Project will bring positive change to 14 municipalities with ca. 167,000 inhabitants and a high number of historic buildings.

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# CASE STUDY

## Promotion of sustainable mobility in European cities



### IMPACT STORY

- Tonnes of carbon dioxide equivalent saved compared to baseline.
- MWh of primary energy avoided compared to baseline.

### LOCATION

- Klaipeda, Lithuania

### INVESTMENT CASE

- JV Dancer mobility provide all-inclusive operational lease services of electric buses manufactured in Lithuania to public authorities.
- The project estimates carbon savings of 1,344 CO<sub>2</sub>e t/yr, equating to 100% compared to baseline and 9,092 MWh or primary energy savings, equating to 92%. The cost of savings is 266 EUR/tCO<sub>2</sub>e based on the total project volume of €5m.

### EQUITY & DEBT TERMS

The JV between the eeef and Dancer through a Special Purpose Vehicle (“SPV”)

Total project volume: €5m

eeef funded volume: €4m (€0.8m equity and €3.2m shareholder loan)

Duration of financing: up to 10 years



Dancer Mobility project picture for illustrative purpose

### CLIENT PROFILE

- Partners: **UAB “Vėjo Projektai” (Dancer)**  
**UAB “Dancer Mobility**

Dancer Mobility to provide all-inclusive operational lease services of electric buses manufactured in Lithuania to public authorities. Dancer Mobility will finance the purchase of e-buses and their operation, in the frame of all-inclusive operational leases provided by the company to public authorities and covering the bus usage, charging infrastructure, green energy supply and full maintenance.

Past performance is not indicative of future performance. There can be no assurance that objectives will be met. Details are provided for information purposes only.

# Contacts



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