

## SUSI Energy Efficiency Fund (“SEEF”)

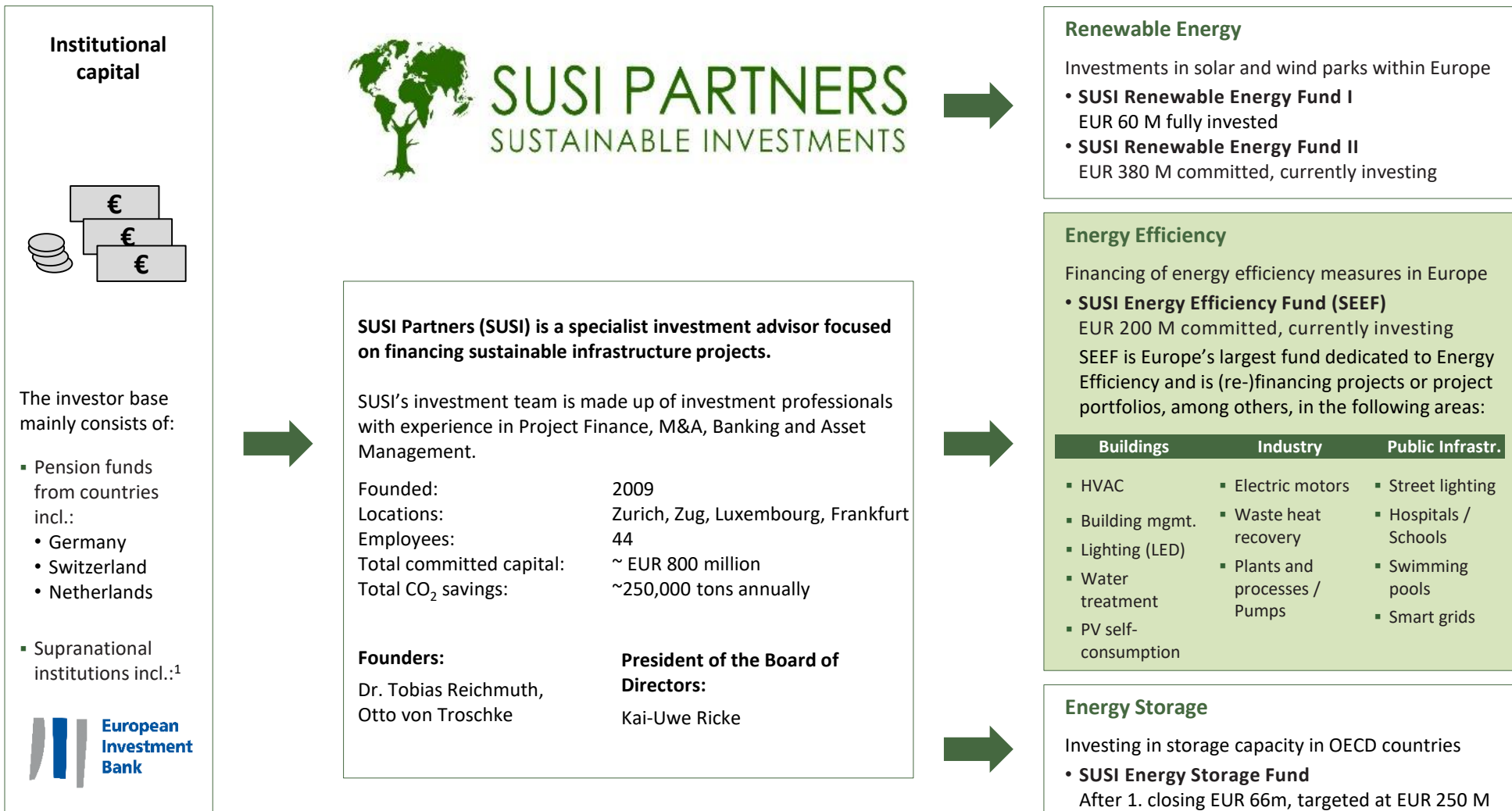
Standardization – A requirement to finance energy efficiency projects?

Madrid, June 2017



# SUSI Partners: An independent leader in sustainable infrastructure financing

Addressing the three main pillars of future energy infrastructure



## European energy efficiency market

### Progress

- Primary energy consumption **1.6% above 2020 target**
- **New buildings** consume half the energy they did in the 1980
- Sale of **home appliances** with highest energy efficiency labelling classes increased dramatically

### Targets (excerpt)

- Governments need to improve energy efficiency in buildings owned of **at least 3% per year**
- Annual **reduction of 1.5%** in national energy sales
- Rollout of close to **200 million smart meters** for electricity and 45 million for gas by 2020

**To meet EU's 2020 Energy Efficiency targets, EUR 100 billion of investments need to be implemented per year (\*)**

### EU-sponsored subsidies

- **Support** research, demonstration of EE technologies via H2020, Elena and Project Development Assistance (PDA)
- European Energy Efficiency Fund for regional and national public authorities (**EUR 265 million**)
- European Structural & Investment Funds: **EUR 27 billion** provided towards low-carbon economy

# End-Customers: Current obstacles for implementation of further EE-projects

MAIN BARRIERS		"Excuses"		
		Public Entities	SMEs	Big Corporates
1	Capacity (man power)	✓	✓	✗
2	Know-how	✓	✓	✗
3	Capital Expenditure	✓	✓	✓
4	Trust / Standardization	✓	✓	✗
5	On- versus Off-balance sheet accounting	✓ (Maastricht)	✓	Less
6	Payback period is higher than 2-5 years	✓	✓	✗

**Energy Efficiency is NOT a CORE business, neither for Public nor Private Entities**



## Financiers: How to make energy efficiency projects bankable

### Risks

- End-customers: **credit quality**, future energy consumption
- ESCO/technology partner (TP): **start-up vs. established**, credit risk, installation and operational risk
- Technology: **proven** versus innovative
- **Performance**: technology does not perform as expected, ESCO/TP does not perform as scheduled
- Energy price: **volatility** of EUR-savings per year
- Market **fragmentation**: most EE-projects are relatively small and unique in its own (i.e. technology solution)

### Risk Mitigation

- End-customers: careful credit risk analysis at financing and ongoing, additional **credit enhancement, change of control** clauses
- ESCO/technology partner: careful credit risk analysis at financing and ongoing, **step-in rights**
- Technology and performance risk: guarantees by ESCO/TP (if credit quality is acceptable) and/or **third party insurance**
- Consumption and energy price risk: **taken by** end-customer and/or ESCO/TP
- Extensive **due diligence** process, including careful drafting of financing agreements (i.e., assignability of future payment streams, termination rights, potential changing regulations/taxation issues)
- Fragmentation: be **creative**, but diligent

# SUSI EE model: Cooperative business relationship and sensible risk allocation

## Origination strategy & risk allocation

## Key features of SEEF financing

End Customers (public/private)



Know-how

Service Contracts

Financing & Structuring

Technology Partner

Risk Sharing Operational / Financing



- Planning and Design
- Installation
- Operation and Service

- Financing
- Off-balance Structuring

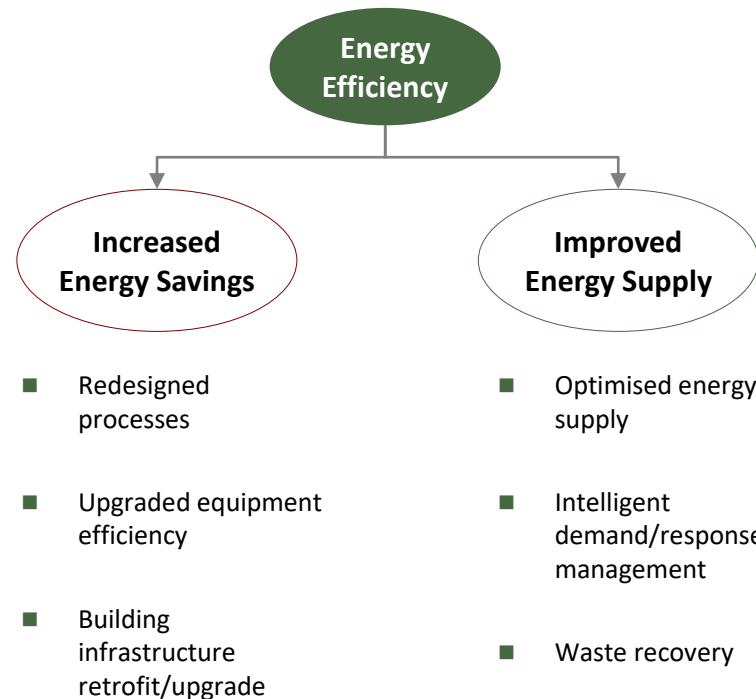
- **100% financing:** any costs associated to an energy efficiency
- **Financing until June 2027:** especially useful for private entities
- **Structuring expertise:** our team has substantial experience in structuring complex financing solutions
- **No commitment fee:** available financing for projects during the fund's investment period without charging a commitment fee
- **Availability of funds:** SEEF can deploy its financing within 6-10 weeks

# Long-term financing for measures, targeting improved efficiency

## Our primary financing criteria

- **Technology:** Proven tangible and intangible EE retrofit solutions
- **Counterparty:** Solid overall risk profile
- **Financing term:** from 6 years up to June 2027
- **Geographic focus:** European Union
- **Financing quantum:** € 2 million to € 20 million per transaction, euro denominated
- **Qualitative selection:** Quantifiable CO<sub>2</sub> impact

## What we can finance



**In competition (?)  
to**

- Bank financing: hurdles are project size, existing corporate exposure, term, requirement of equity
- Leasing companies: 100% financing, limited term
- Funds: limitations due to national restrictions for direct lending, leasing, etc.









# SEEF is currently active in all major EUR markets, including Spain

## Markets



Transaction closed
  Transaction in execution

## Track record in Energy Efficiency

Country	Project	Financing structure	ESCO
Spain	Street Lighting retrofit	Sale of receivables	
Italy	LED portfolio	Off-Balance sale of receivables from an EE lighting player	
Italy	Street lighting in six municipalities	Off-Balance financing for a portfolio of municipalities	
Italy	LED retrofit	True sale of receivables	
Finland	Portfolio of LED projects	Notes subscription	
Germany	School campus retrofit	Energy Performance Contracting	Undisclosed
Germany	Retrofit of glass manufacturer	Off-Balance-Leasing solution	Undisclosed
Germany	Public buildings	Sale of receivables	
Germany	Utility portfolio	Sale and lease back solution	Undisclosed
Ireland	LED portfolio	Sale of receivables via a facility	
Slovenia	Portfolio of EE projects	Sale of receivables	



## Case Study (I/IV): With Mejorada, SEEF entered the Spanish market in 2016

### Key Facts

<b>Country</b>	▪ Spain
<b>Financing Volume</b>	▪ Undisclosed
<b>CO<sub>2</sub>-Savings</b>	▪ 750 Tons of CO <sub>2</sub> p.a.
<b>Contract Type</b>	▪ Supply-service contract
<b>Financing Tenor</b>	▪ 10.5 Years



### Project Overview

<b>ESCO</b>	▪ Energía Eléctrica Eficiente (3E). A Madrid-based ESCO specialized in LED luminaires design and installation.
<b>End Customer</b>	▪ A Spanish municipality located about 20 km from Madrid. It belongs to the broader autonomous community of Madrid and its population is 17'195 inhabitants.
<b>Measures</b>	▪ Existing lighting is replaced by energy-saving equipment; enabling remote monitoring and smart maintenance, including both street and inner lighting.
<b>Financing Structure</b>	▪ “Sale of Receivables” structure allows SEEF to purchase the receivables arising from the component P1 of the contract.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>▪ SUSI completely assumes the credit risk of the municipality, with a non-recourse purchase of the receivables.</li> <li>▪ The ESCO successfully terminated the leasing contract it had in place, in favour of SUSI financing that is characterized by an higher financing quantum, with a no-recourse nature, at a comparable return.</li> </ul>

## Case Study (II/IV): Re-financing a Project Portfolio (Italy)

### Key Facts

<b>Product Status</b>	<ul style="list-style-type: none"> <li>All projects are running</li> </ul>
<b>Financing Volume</b>	<ul style="list-style-type: none"> <li>EUR 32.9 million</li> </ul>
<b>CO<sub>2</sub>- Savings</b>	<ul style="list-style-type: none"> <li>17,700 tons CO<sub>2</sub>/ p.a.</li> </ul>
<b>Contract Type</b>	<ul style="list-style-type: none"> <li>Energy Savings</li> </ul>
<b>Financing Term</b>	<ul style="list-style-type: none"> <li>12 years</li> </ul>



### Project Overview

<b>ESCO</b>	<ul style="list-style-type: none"> <li>Leading company with international presence in the area of engineering, procurement, production and sales of LED lighting systems.</li> </ul>
<b>End Customer</b>	<ul style="list-style-type: none"> <li>More than 300 customers out of a contracting portfolio of the ESCO. The portfolio consists of clients of private and public sector.</li> </ul>
<b>Measures</b>	<ul style="list-style-type: none"> <li>Replacement of existing lighting installations by more efficient measures, as well as subsequent monitoring and maintenance of the measure.</li> </ul>
<b>Structuring</b>	<ul style="list-style-type: none"> <li>By the "true sale of receivables" according to IFRS the portfolio's receivables are transferred to SUSI.</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>SUSI assumes the credit risk of the portfolio whereof a certain amount of first losses are covered due an agreed «First Loss Piece Mechanism»</li> <li>Due the expertise of SUSI the transaction could have been structured in a way that despite a partial risk underwriting of the ESCO the financing is considered as («First Loss Piece Mechanism») off-balance.</li> </ul>

## Case Studies (III/IV) – Re-financing of a waste heat utilization site (Germany)

### Key Facts

<b>Product Status</b>	<ul style="list-style-type: none"> <li>All projects are running</li> </ul>
<b>Financing Volume</b>	<ul style="list-style-type: none"> <li>EUR 4.9 million</li> </ul>
<b>CO<sub>2</sub>- Savings</b>	<ul style="list-style-type: none"> <li>4,200 tons CO<sub>2</sub>/ p.a.</li> </ul>
<b>Contract Type</b>	<ul style="list-style-type: none"> <li>Energy Savings</li> </ul>
<b>Financing Term</b>	<ul style="list-style-type: none"> <li>10 years</li> </ul>



### Project Overview

<b>ESCO</b>	<ul style="list-style-type: none"> <li>French company with international presence in energy efficiency, specialized in the planning and realization of contracting projects.</li> </ul>
<b>End Customer</b>	<ul style="list-style-type: none"> <li>Germany based, international manufacturer of glass and glass products with three production sites as well as four distribution locations in Germany.</li> </ul>
<b>Measures</b>	<ul style="list-style-type: none"> <li>Building and maintenance of a waste heat utilization site and a block heating station at two locations.</li> </ul>
<b>Structuring</b>	<ul style="list-style-type: none"> <li>Sale &amp; Lease Back (under IFRS): installed equipment of ESCO is purchased by SEEF. The ESCO transfers a part of its receivables to SEEF in the form of a leasing contract. The ESCO receives the right to use the equipment in return.</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>SEEF assumes the credit risk of the customer.</li> <li>As a result of the asset transfer and off-balance sheet treatment, the balance sheet key ratios of the ESCO have improved.</li> </ul>

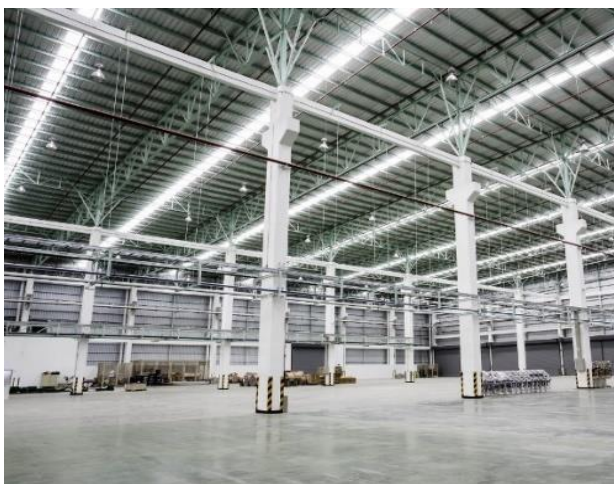
## Case Studies (IV/IV) – Re-financing of contracting portfolio (Germany)

### Key Facts

<b>Product Status</b>	<ul style="list-style-type: none"> <li>All projects are running</li> </ul>
<b>Financing Volume</b>	<ul style="list-style-type: none"> <li>EUR 11.1 million</li> </ul>
<b>CO<sub>2</sub>- Savings</b>	<ul style="list-style-type: none"> <li>11,700 tons CO<sub>2</sub>/ p.a.</li> </ul>
<b>Contract Type</b>	<ul style="list-style-type: none"> <li>Energy Delivery</li> </ul>
<b>Financing Term</b>	<ul style="list-style-type: none"> <li>11.5 years</li> </ul>

### Project Overview

<b>ESCO</b>	<ul style="list-style-type: none"> <li>One of the largest regional utilities in North Rhine-Westphalia with a dedicated contracting subsidiary.</li> </ul>
<b>End Customer</b>	<ul style="list-style-type: none"> <li>The portfolio consist of more than 20 large industrial and public customers plus more than 30 smaller end customers.</li> </ul>
<b>Measures</b>	<ul style="list-style-type: none"> <li>Replacement of lighting, heating and compressed air assets with more efficient equipment.</li> </ul>
<b>Structuring</b>	<ul style="list-style-type: none"> <li>A Sale &amp; Lease Back (under IFRS) structure allows SEEF to purchase a portfolio of assets and ensure that the transaction is off-balance for the ESCO.</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>SEEF assumes the credit risk of the portfolio, whereby initial losses are covered via a “First Loss Piece Mechanism”.</li> <li>The transaction was successfully structured as off-balance for the ESCO allowing a significant reduction of its net debt.</li> </ul>



## How to “promote” implementation of EE-Projects

### Energy Efficiency - crucial for Energy Transition

#### Major Obstacles

3% Maastricht requirements for public entities

On-balance sheet treatment of investments in energy efficiency for public and private entities

Fragmentation and size of EE-projects

#### End customer

##### How to incentivize Public & Private Entities

- Off-balance sheet treatment for public entities
- Incentives for private entities, especially for SMEs, in the form of tax breaks / off-balance sheet treatment
- **Standardization** will help, but not drive investments

#### Financing institutions

##### Being creative & flexible

- The market is what it is – can not change it at the moment
- Even tough fragmentation (contracts, technology, lending restrictions) exists, financing solutions can be found
- **Standardization** will help, but not drive investments

*Investment model brings benefits for the equipment providers, **energy service companies**, the **end customers**, and the **environment***



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