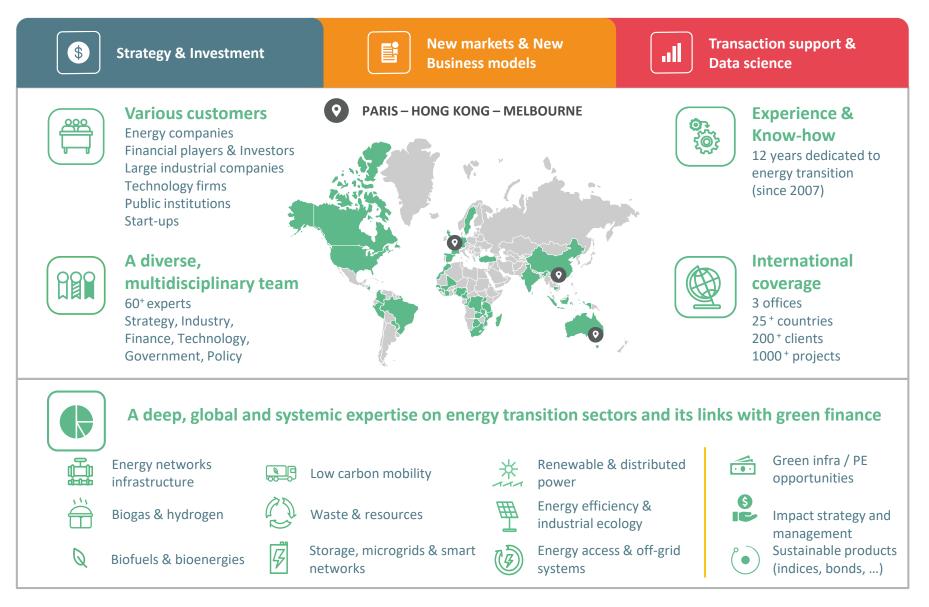


Investing in energy transition beyond renewables

November 2019

ENEA is a leading energy transition strategy consulting firm





Energy transition is not renewable power generation

Renewable

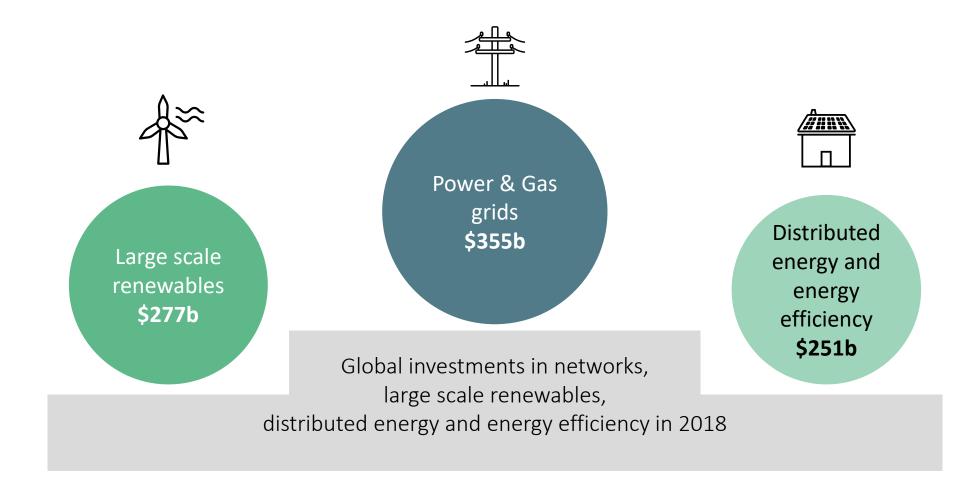
Power

Generation





Large scale renewables represent less than a third of the investments towards energy transition in 2018

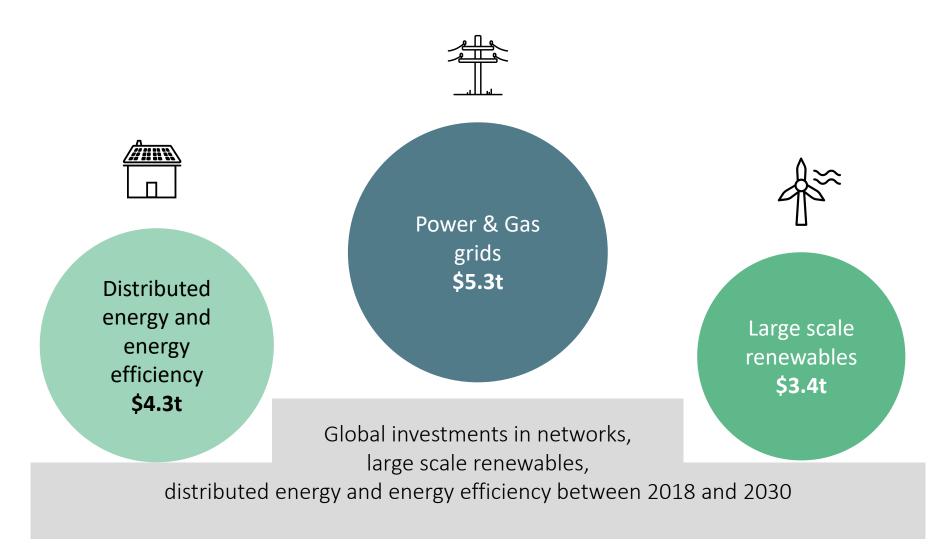




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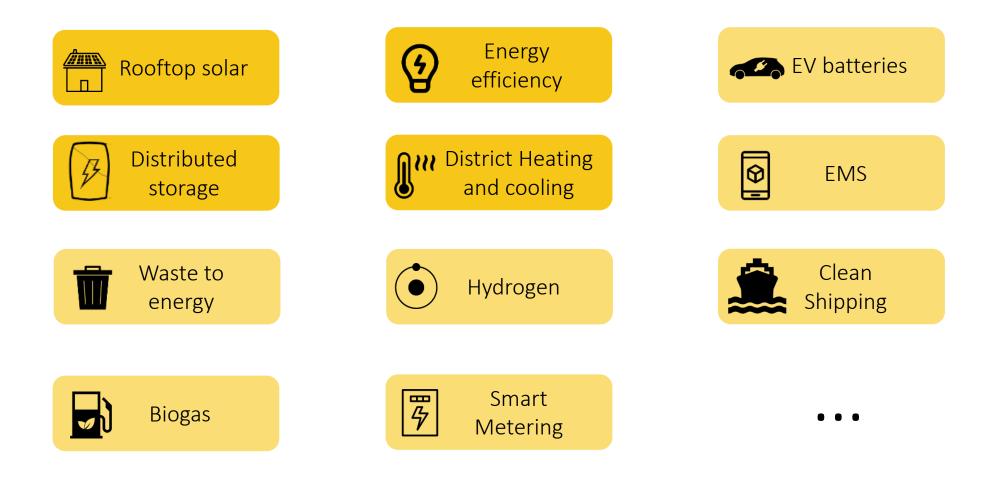
And just slightly more than a quarter of the forecasted investments towards energy transition to 2030





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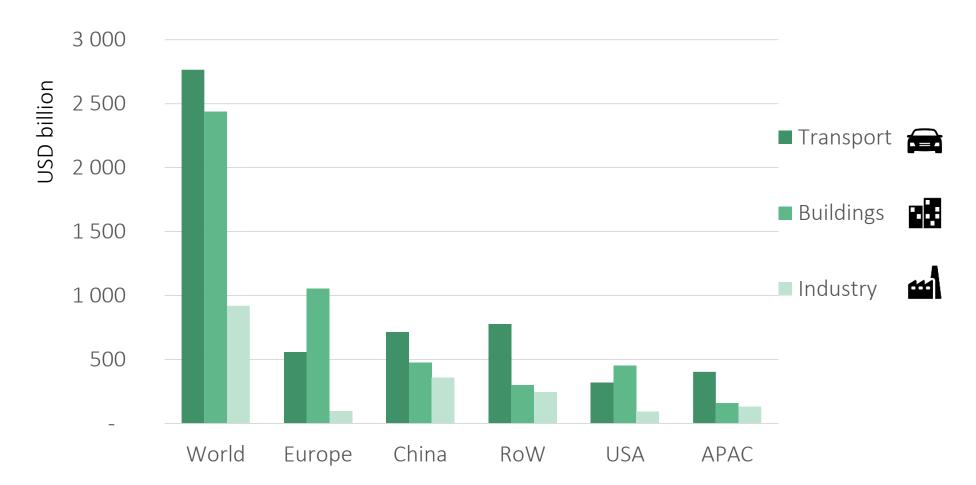
Distributed energy and energy efficiency spans multiple sectors and asset classes, offering infrastructure investment opportunities





Energy efficiency is one of the largest energy transition investment opportunities







ENEA analysis based on IEA World Energy Outlook 2018, IEA Energy Efficiency Market report 2018, IEA Energy Investments 2018, IEA expert call Fuel switching to EVs, accounting for \sim 20% of transport EE, is not counted

How to create an infra investment case from energy efficiency?

Infrastructure investors typical investment criteria matrix

Fundamental drivers	Essential service	\checkmark	Barriers to entry	Market position	\checkmark
	Underlying market strength			Contracts duration	
	Low cyclicality	\checkmark		Regulatory framework	\checkmark
Cash flow visibility	High margins and cash conversion			Organic growth	\checkmark
	Stable cost base		Growth potential	Exposure to growth markets	
	Inflation-hedge			External growth opportunities	



Core plus / hybrid infra - nice to have



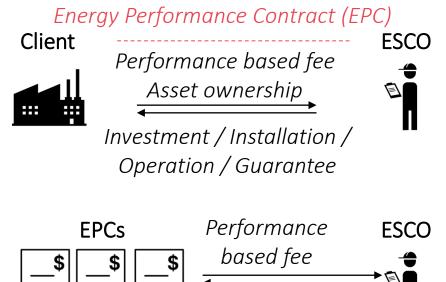
ESCO + AssetCo models allow to aggregate high margin and steady cash flow contracts

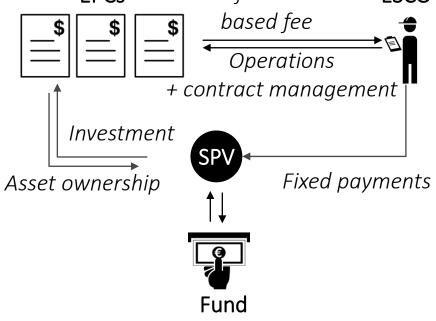
Benefits of ESCO model

- No upfront cost for client
- Off balance sheet solution
- Performance and safety guarantee

Benefits of AssetCo to ESCOs and funds

- Faster capital recycling for ESCO
- More standardization and efficacy
- Cash flow aggregation for fund









Some key steps to investing in and profiting from portfolios of performance contracts

Creating a portfolio of energy efficiency contracts

- Build technical and economic understanding of underlying market segments
- Select market segments based on fund investment objectives
- Identify players with performant track record and scale up potential
- Work together with these players to standardize performance contracts

Generating growth from a portfolio of energy efficiency contracts

- New equipment / work
- Digital energy management systems
- Leasing contracts at equipment renewal
- Strong incentive for partnership between ESCO and fund for business scale up

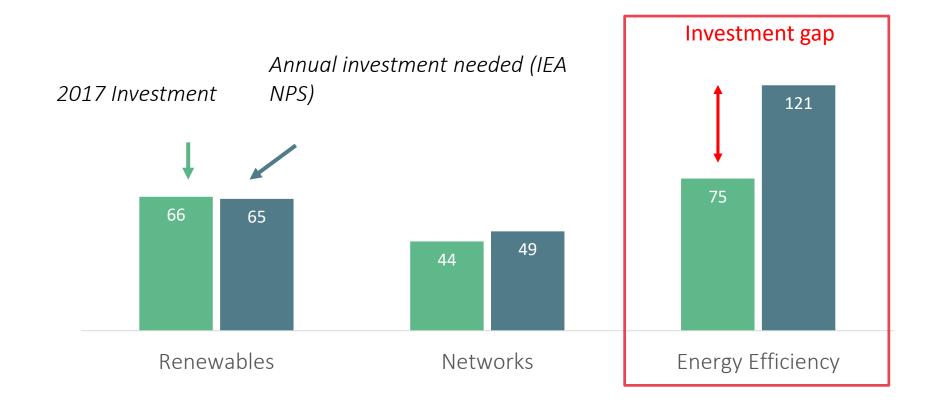




Infrastructure investment in energy efficiency bridges a structural financing gap and generates real impact

Energy efficiency is underinvested as compared to renewables and energy networks

Annual investment needs to 2025 vs. 2017 investments in Europe (€bn)



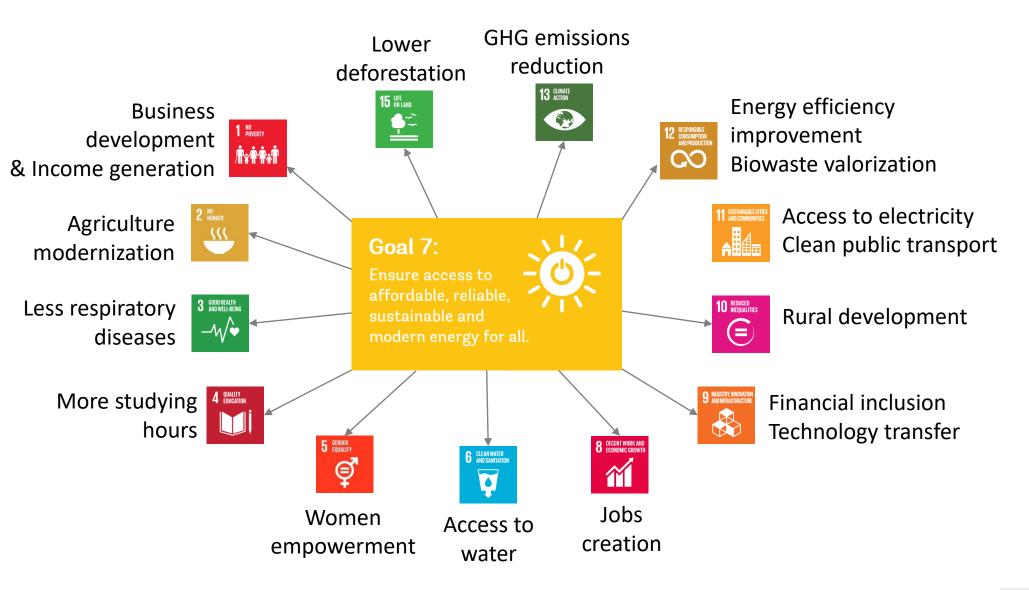


Innovative infrastructure investors are pioneering new energy assets opportunities

		SUSI PARTNERS SUSTAINABLE INVESTMENTS
<u>Distributed storage</u> Macquarie 60 MW/340 MWH total Equity + debt 50% acquired by SUSI <i>California</i>	<u>Hydrogen</u> Meridiam 140 MWh hybrid PV + hydrogen 60% equity stake <i>French Guiana</i>	Energy efficiency SUSI Partners €500m target 2 equity funds <i>Europe</i>
Ô zouk		Б ККR
<u>EV charging</u> Zouk Capital £400m / 3,000 chargers	<u>Electric buses</u> Generate Capital \$200m JV with BYD	<u>Smart meters</u> KKR Infra Acquisition of smart meter financing firm



New energy assets offer a wealth of opportunities for those willing to explore them and will generate true impact in line with the SDG







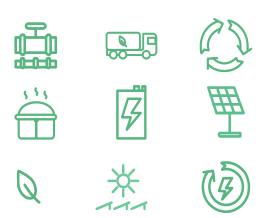




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