

TAKING
COOPERATION
FORWARD



Block 3: *Development of Financial Instruments*



Module 3.4. Energy Performance Contracting



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The module presents the mechanism of the development, financing, and implementation of projects to improve energy efficiency financed through Energy Performance Contracting method



- **Energy Performance Contracting**
- **Energy Service Companies (ESCO)**
- **ESCO services users**
- **Examples of EPC projects in industry**



Energy Performance Contracting (EPC) encompasses development, performance and financing of projects to improve energy efficiency and reduce operating and maintenance costs in buildings and technological units.

Measures of investment as well as measures of non-investment nature are used.



ENERGY SERVICE COMPANIES (ESCO)

Energy Service Companies (ESCO) provide energy services, such as supply and installations of energy efficient equipment or renovation of buildings. Additionally, ESCO finance or arrange the financing for the energy operation

- ESCOs ensure identification of energy savings measures, their implementation and financing, and provide a contractual guarantee that at least contracted energy savings will be achieved over a duration of the contract (usually 5 - 10 years)
- During the whole contractual period, an energy management and savings evaluation are ensured for the customer
- After the contractual period when the investment is repaid, ESCO steps out of the project and hands all the benefits over to the client

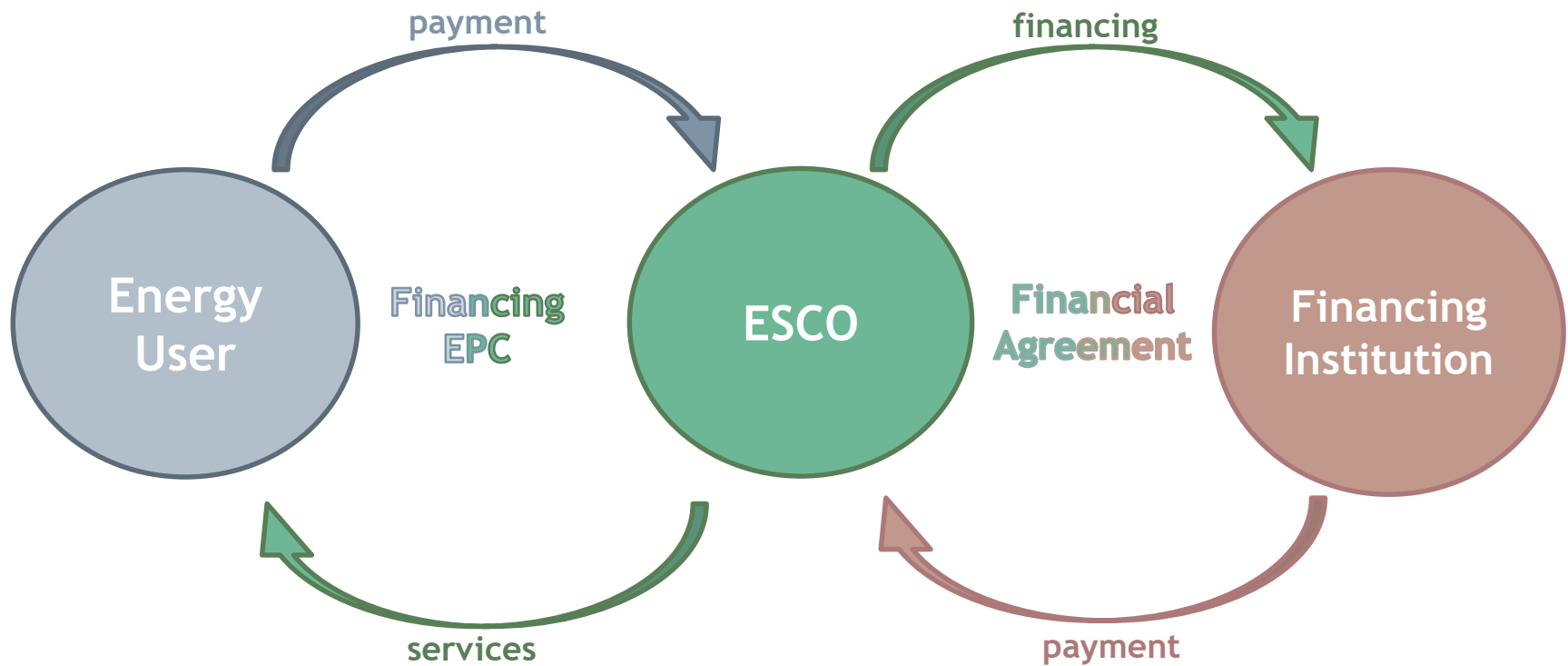


ESCO services users:

- private companies
- public companies
- public institutions
- local and regional government units

EPC is much more developed in public sector. The private sector is still perceived by ESCO companies as too risky. However, examples of successful EPC projects in industry exist.





EXAMPLE OF EPC PROJECTS IN INDUSTRY

EPC project in manufacturing industry, Czech Republic



The project was awarded with the European Energy Services Award (2009) for the Best Energy Services Project in the Trade Sector.

Energy saving in Siemens Motors Mohelnice

Investor:	Siemens, s.r.o - production plant Electromotors Mohelnice
EPC contractor:	Association of Energy Service Providers (APES)
Volume of the contract:	44.500.000,00 CZK (excluding VAT)
Guaranteed annual savings:	14.100.000,00 CZK (excluding VAT)
Period of implementation:	2008/2009



EXAMPLE OF EPC PROJECTS IN INDUSTRY



Project activities:

- Building new sources of heat and process steam
- Installation of the Siemens Desigo PX measurement and control system
- Monitoring and optimization of energy consumption
- Monitoring and optimization of the operating parameters
- Providing service of the measurement and control system during the contractual relationship



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



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