

Interview with persons in the EPC-market

Country

General information

Item	
Organization name	Czech Philharmonic - Rudolfinum
Organization type	Organization of cultural events
Name of interviewed person	Ing. arch. Lukáš Duchek
Function of interviewed person	Project manager
Date of interview	18.11.2013

Potential project	
Facility (project title)	Modernization of energy management of the building "Rudolfinum" by the EPC project
City, Region (site)	Prague
Type of customer	<ul style="list-style-type: none"> • Municipality • Regional office • <u>State organization</u> • Other public: _____ • Private
Sector	<ul style="list-style-type: none"> • Schools • Hospitals • Other public organisations (culture, sport, etc.): <u>culture</u> • Industry: _____ • Tertiary sector (trade, services): _____ • Residential housing sector
Goals of the project <i>(e.g. comprehensive reconstruction of the energy system during six months by implementing measures saving heat, electricity and water)</i>	<ul style="list-style-type: none"> • Reconstruction of the energy system • Rationalization of the energy management and service • Recovery of old technologies • Increasing of the comfort in different rooms of the Rudolfinum • Ability to control parameters (temperature, humidity) in individual rooms

Number of buildings of each type <i>(e.g. 25 schools, 11 healthcare facilities, etc.)</i>	<ul style="list-style-type: none"> • 1 historical building with concert hall and gallery spaces
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Interview

Question	Answer
What was the impulse to start thinking about realizing an EPC project?	It is necessary to replace our cooling equipment. Together with planned renovations in the building we want to increase efficiency of the energy system and gain professional external partner for outsourcing services. We hope that the external partner will help us with improvement our energy management during next 10 years.
What would be the main reasons for your organization for choosing an EPC project? <i>(remove not-valid answers and put remaining answers in order of decreasing importance)</i>	<ul style="list-style-type: none"> • <u>Outsourcing of services</u> (maintenance and implementation of energy saving measures) to a specialised external partner, so the organisation can focus on his core business • Other : The possibility of subsequent energy management and monitoring and evaluation of the functioning of the object • Energy <u>cost saving</u> • <u>Less administrative/juridical work</u> as an EPC-project has to be tendered only one (while separate energy saving measures would require multiple tenders) • CO₂ reduction/<u>environmental advantages</u>
What are in your opinion the main barriers the realization of an EPC-project in your organization? <i>(remove not-valid answers and put remaining answers in order of decreasing importance)</i>	<ul style="list-style-type: none"> • It is not simple to determine how the object is working: each year there is different number of events and their size, each exhibition has other requirements on conditions in galleries.
What is the expected size of the first EPC project in your organization?	Number of selected buildings in the pool: 1 building Energy cost of the pool: 330.000 €/year Potential investment volume: 1 mio. € Potential savings: 19 %
Other comments	



Other information on the project

To fill in only available information

Timing of the project		From	Till
Project identification		April 2013	August 2013
Procurement procedure		September 2013	
Installation of energy efficiency measures			
Contract duration (guarantee duration)			
Period of repayment (if the same, do not fill in)			
Contract duration [years]			
Project specifications			
Measures (short description – max. 5 points)		<ul style="list-style-type: none"> • ... • ... 	
Total investment [EUR]			
Co-financing of customer			
Initial energy consumption before the project (baseline)	Heat	[kWh/GJ]	
	Cooling	[kWh/GJ]	
	Natural gas	[kWh]	
	Electricity	[kWh]	
	Hot water	[kWh/GJ]	
	Water	[m3]	
Total energy consumption costs before the project		[EUR]	
Savings		Guaranteed	Achieved
Total savings		[%]	
Heat		[kWh/GJ]	
Cooling		[kWh/GJ]	
Natural gas		[kWh]	
Electricity		[kWh]	
Hot water		[kWh/GJ]	
Water		[m3]	
Decrease of other operational costs (wages, maintenance, etc.)		[EUR]	
Total guaranteed savings		[EUR]	
If there are other important aspects of the project, innovations and client's advantages, not mentioned above, please, describe here			



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(e.g. other type of cost saved, different form of financing such as leasing, exceptionality of the project, direct link to another energy efficiency project such as building insulation)