



Date: November 7th 2018

Information Bulletin

CHAZAPIS COMMISSIONING

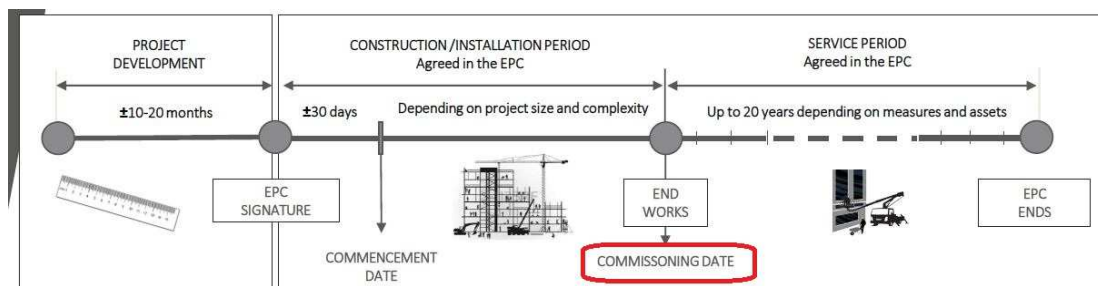
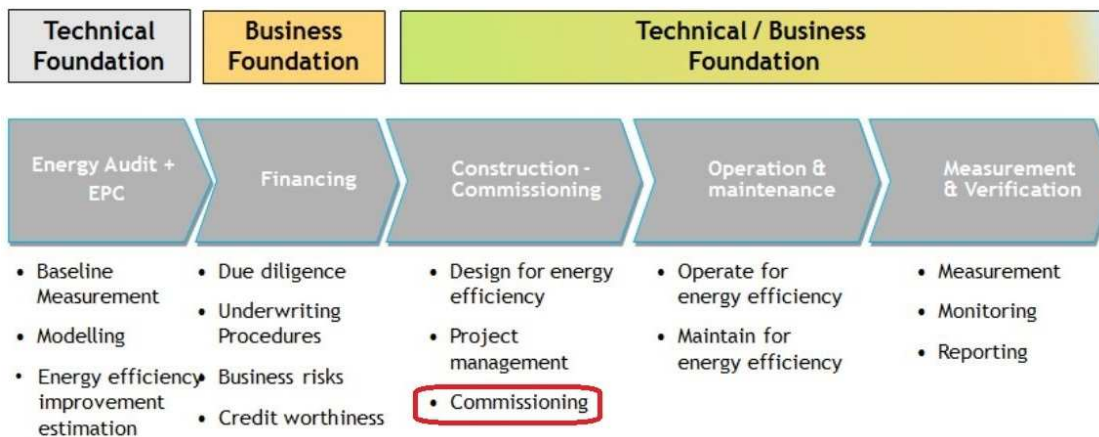
Our office for many years, offers Commissioning Services subcontracting for ESCO's.

Referring to QualitEE Project Guideline, Commissioning of building services and documentation of services rendered, belong to:

QC2: Quality of implementation of technical energy efficiency improvement measures.

AC2-3: Commissioning

Bellow, you will find the project management full work flow and our dedicated services.



Assessment criteria

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| QC 1 | Adequate analysis |
| AC 1-1 | Agreement on the process of energy analysis pursuant to EN 16247-1 |
| AC 1-2 | Adequate data collection and analysis |
| AC 1-3 | Adequacy of the derivation of recommended energy efficiency improvement (EEI) measures |
| QC 2 | Quality of implementation of technical energy efficiency improvement measures |
| AC 2-1 | Performance of services in accordance with applicable standards, statutes and official permits |
| AC 2-2 | On-schedule delivery |
| AC 2-3 | Commissioning of services and documentation of services rendered |
| AC 2-4 | Induction of users or operating personnel |
| AC 2-5 | Ensuring the functionality of newly installed facilities after the end of the Contract |
| QC 3 | Savings guarantee |
| AC 3-1 | Dependency of remuneration on adherence with the savings guarantee |
| AC 3-2 | Guaranteed savings achieved (only applicable to saving guarantee type 1) |
| AC 3-3 | Adequate intervals for the verification of compliance with guarantee promise |
| QC 4 | Verification of energy savings |
| AC 4-1 | Application of a standardized method for the calculation of energy-savings |
| AC 4-2 | Selection of the most appropriate approach to the verification of energy savings |
| AC 4-3 | Clear definition of the baseline (reference consumption) |
| AC 4-4 | Clear definition of the basis of adjustment of the energy savings calculation |
| AC 4-5 | Transparency and agreement of M&V processes and related responsibilities |



Assessment criteria

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| QC 5 | Value-retention and maintenance |
| AC 5-1 | Compliance with the required system availability |
| AC 5-2 | Rapid troubleshooting in case of malfunctions of technical systems |
| AC 5-3 | Functionality of facility at the end of the Contract |
| AC 5-4 | Clear definition of responsibilities of the service provider with respect to maintenance and repair |
| QC 6 | Communication between the EES provider and the client |
| AC 6-1 | Disclosure of contact persons |
| AC 6-2 | Agreement on accessibility of data and data exchange (in both directions) |
| AC 6-3 | Capturing and continual updating of all EEI measures taken by the EES provider |
| AC 6-4 | Organisational measures for committing internal operating personnel |
| QC 7 | Compliance with users' comfort requirements |
| AC 7-1 | Definition of users' requirements (including regular review) |
| AC 7-2 | Regular verification of compliance with physical comfort parameters |
| AC 7-3 | Assessment of users' satisfaction |
| QC 8 | Information and motivation of users |
| AC 8-1 | Development of a concept for the motivation of users |
| AC 8-2 | Establishment of a suggestion scheme for clients to improve energy efficiency |
| AC 8-3 | Provision of action-oriented information on the subject of energy efficiency |



| QC 9 | Comprehensible contractual stipulations for the definition of specific regulatory requirements |
|-------------|---|
| AC 9-1 | Ownership transfer |
| AC 9-2 | Handling of energy price risk |
| AC 9-3 | Insurances |
| AC 9-4 | Exit regulations |
| AC 9-5 | Legal succession |
| AC 9-6 | Unhindered access rights and right of access |
| AC 9-7 | Permissibility of different types of financing (Cession, Leasing, Forfeiting) |
| AC 9-8 | Regulation on intellectual property rights |

In total there are 9 Quality Criteria with 38 Assessment Criteria along the value chain of EES

