**3. SUBSYSTEMS**

**3.1. Energy Systems Engineering  
3.1.1. Definition of the problem   
3.1.2. Review of technologies and methods   
3.1.3. Standards and constraints (Environmental Effects, Social Effects, Economic Effects, Ethical Issues, Health and Safety)   
3.1.4. Conceptualization and Materialization**

**3.1.4.1. Conceptualization**

**3.1.4.2. Materialization   
3.1.5. Risk assessment**

**3.1.5.1 Risks for the proposed solution**

**3.1.5.2. Risk assessment   
3.1.6. Evaluation**