





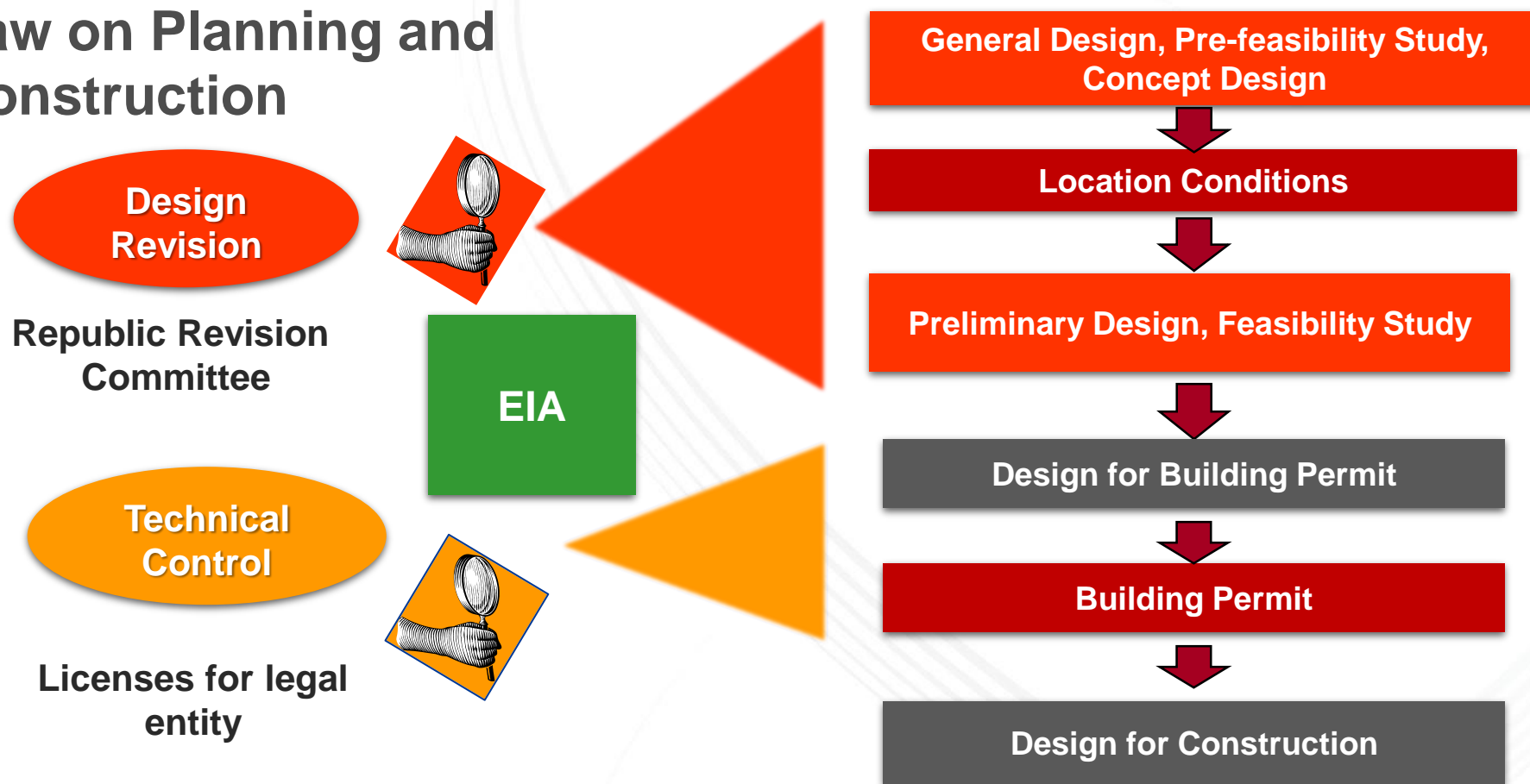
# Serbian standards and legislation

## Basic facts



# Process of design documentation development

## Law on Planning and Construction



# Projects under authority of RS

1. Interregional and regional systems for water supply and sewerage ( $WTP \geq 200l/s$ ,  $WWTP \geq 200l/s$ )
2. Flood protection facilities construction of urban areas and rural areas larger than 300ha
3. Facilities for treatment of non dangerous waste by incineration or chemical treatment with capacity of more than 70 ton/day
4. Regional landfills / landfills for non dangerous waste for areas of more than 200.000 inhabitants

# Prefeasibility Study

- **Spatial**
- **Ecological**
- **Social**
- **Financial**
- **Market**
- **Economic justification of investment for variant solutions defined in General Design which is base for planning document, as well as decision whether is justified to invest in preparatory works for Preliminary Design and Feasibility Study**



# General Design

*Purpose of the GENERAL DESIGN is to contemplate the resource and spatial possibilities and restrictions of the facility construction, in order to adopt, through evaluation procedures, the general concept, macro-location and spatial disposition of the facility, to determine the basic functional, technological and technical characteristics of the facility, construction phases, conditions of exploitation, bearing on space and environment, as well as the basics for economic analysis. In the event that several variant solutions were analyzed during the making of the general design, the optimal variant is selected based on natural, technical, technological, economic, functional, environmental and other conditions.*

# General Design

- **Analysis of existing state and needs\*\*\***
- **Macro location, layout**
- **Technical and technological characteristics**
- **Connection to infrastructure**
- **Variant solution**
- **Geotechnical conditions**
- **Environmental impact assessment**
- **Requirements for preparatory works for preparation of Preliminary Design**
- **Capital and operational costs\*\*\***

# Feasibility Study

- **Spatial**
- **Ecological**
- **Social**
- **Financial, Market and Economic justification of investment for solution defined in Preliminary Design**
- **In parallel with technical solution\*\*\***
- **Subject of the analysis is technological scope which secure communal service\*\*\***
- **It should represent faithful presentation of sources, conditions and time frame of investment\*\*\***



# Preliminary Design

*PRELIMINARY DESIGN is a set of mutually harmonized designs that determine: the purpose, position, shape, capacity, technical-technological and functional features and appearance of the facility and provide provisional evidence of the fulfillment of the basic requirements for the construction.*

# Preliminary Design

- **Micro location**
- **More detailed technical characteristics**
- **Geotechnical / Geological characteristics**
- **General calculation of structure, installations etc.**
- **More detailed and reliable estimate of capital and investment costs**
- **Can be base for Design & Build type of tender/contract documentation**

# Design for Building Permit

*DESIGN FOR BUILDING PERMIT a set of mutually harmonized designs defining the position and capacity of the facility on location, functionality from the aspect of technological and other requirements, spatial shaping, selection of the construction system, dimensioning of the main elements of construction, general selection of construction materials, installations and equipment, thus ensuring the fulfillment of location conditions and basic requirements for the construction, etc.*



# Design for Building Permit

**Purpose is to obtain Building Permit**

- **Communal services are, in principle, group G\*\*\***
- **Relevant engineering disciplines**
- **More detailed calculations, characteristic elements, basic schemes of equipment installations etc.**
- **Connection to infrastructure**
- **Detailed estimate of costs**
- **If developed to sufficient level can be base for re-measurement type of tender/contract**

# Design for Construction

*DESIGN FOR CONSTRUCTION is a set of mutually harmonized designs necessary for execution of construction, building trade, installation and other works, which determine the construction, technical, technological and exploitation characteristics of the facility with equipment and installations, technical, technological and organizational solutions for construction of the facility, the investment value of the facility, as well as its maintenance conditions.*

*Construction design further elaborates particulars and technological solutions determined by the construction permit design, and the preliminary design for reconstruction of the facility.*

# Design for Construction

**Purpose is to construct**

- **Communal services are, in principle, group G\*\*\***
- **Relevant engineering disciplines**
- **ALL CONSTRUCTION AND INSTALLATION DETAILS**



# Electronic joint procedure

- Shortened process of issuance of conditions and permits
- Decreased administration
- Transparency

# Planning documentation and property issues

- Planning documentation with elements for direct implementation as preconditions for efficient resolution of property issues for line infrastructure facilities
- Article 69 for underground infrastructure projects
- For underground infrastructure facilities possibility to obtain Building Permit without evidence of resolved property issues

# Procedure EIA

- Under separate Law on environmental protection
- Preparation of Environmental Impact Assessment Study is overlapping with preparation of design documentation in accordance with Law on Planning and Construction
- Time frames for specific activities must be taken into consideration when overall plans are prepared
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# Line infrastructure projects

- Intersections with watercourses
- Intersections with roads
- Intersections with railways
- Route through protected areas (nature, archeological sites, cultural heritage)
- Anything else?

# Relevant legislation

- Law on Planning and Construction (Official Gazette RS 72/2009.....83/2018)
- Rulebook on content, manner and procedure of preparation and performance of technical control of technical documentation according to class and purpose of facilities (Official Gazette RS 72/2018)
- Rulebook on classification of facilities (Official Gazette RS 22/2015)
- Decree on location conditions (Official Gazette RS 117/2017)
- Instruction on procedure of relevant authority and public authority holders which are conducting joint procedure related to water management documents in procedures for obtaining right for construction
- Rulebook on methodology and procedure of implementation of projects of interest for Republic of Serbia (Official Gazette RS 1/2012)
- Etc.

# Questions and Answers

# EU PROJECT PREPARATION FACILITY PROJECT

All documents, information, materials and pictures from this EU PPF training are available for download in the download section of our site [www.ppf.rs](http://www.ppf.rs)

# Questions and assistance

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**Thank you for your attention!**