

FTTX Project Process

Phase 1

Definitions A

Dimensions

The project should be defined in terms of surfaces, number of estimated users/zones, number of zones and estimated total length.
VAR=DIM

Types

Definition of the type of architecture and eventually services that will be integrated: access network types, Technologies ...
VAR=TYPE

Standards & Norms

If exist, norms and standards that should be implemented (cables, equipment, frames...). Codification and labelling (generic or specific).
VAR=NORM

Phase 2

Definitions B

Constraints and Hypothesis

Method of optimization: Aspects of optimization, methods offered and waited results should be discussed, and validated. Optimization could take into consideration shortest paths, lowest cost paths or lowest budgets paths... Also, a scheme of combination of different methods can be defined. Hypothesis, summarize inputs values necessary for the simulation steps, as an example of start hypotheses, the number of splitters, nature of equipment, municipalities limitations....

Output Solutions

The number of output scenarios should be given. This number is important for the project evolution, as it influences directly the simulation time and phases.

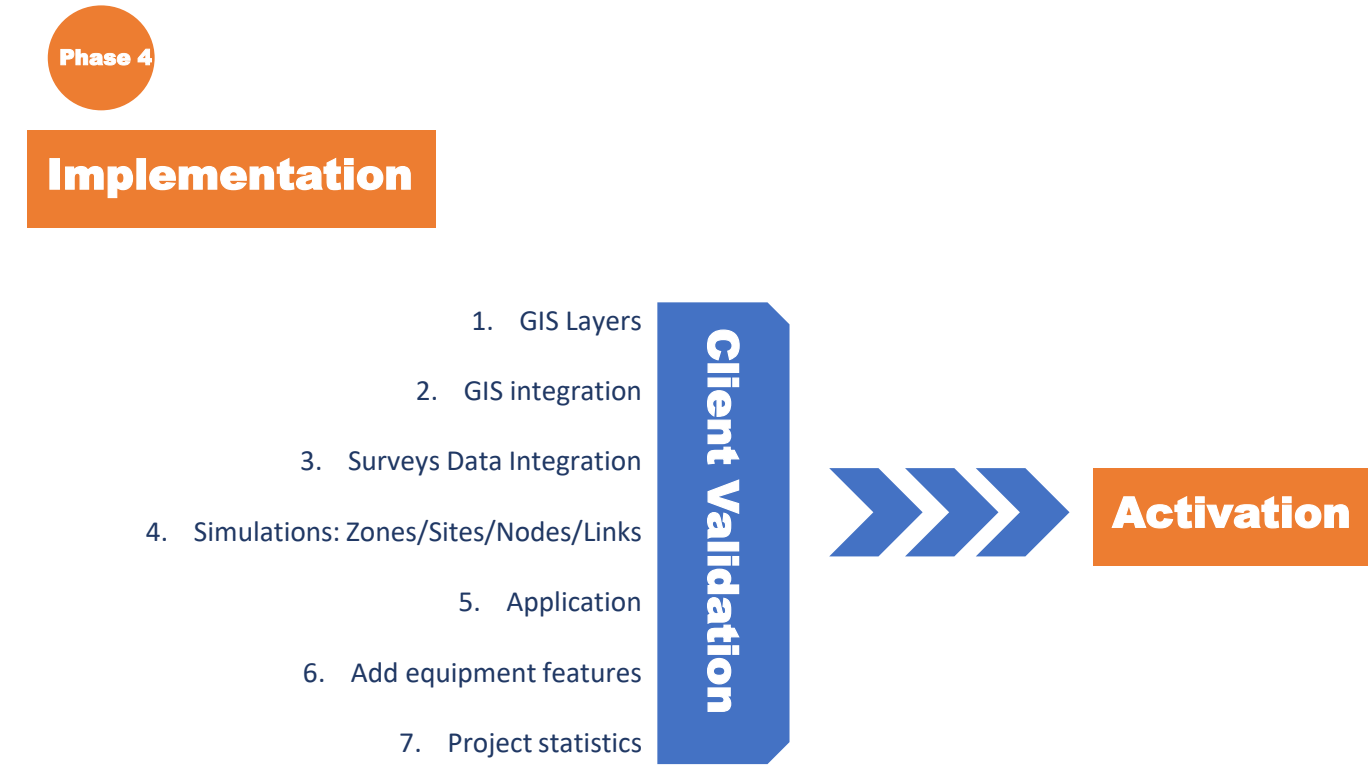
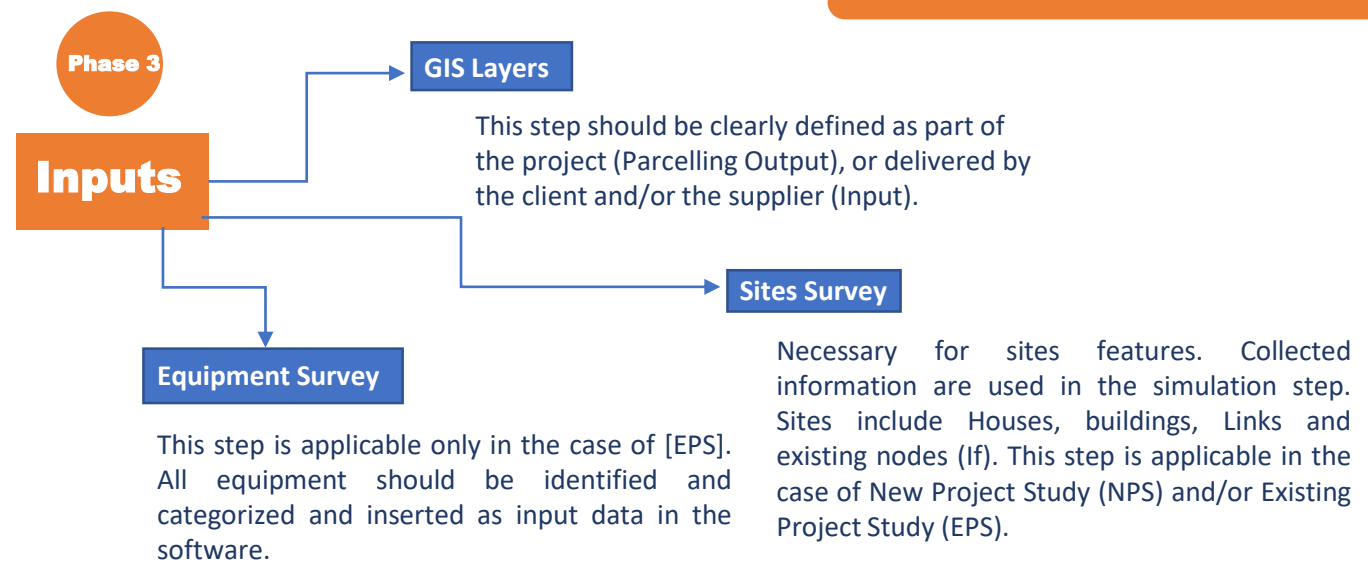
Zones' Densification

In this step, all zones densification should be clearly identified and affected. The degree of optimization, especially concerning the splitting levels affectations, depends principally on this input.

Guides Template

Number, Nature and Types of desired guides to follow the project achievement. Also, format of documents should be clearly defined.

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Phase 5

Activation

Definition

Client can precise desired links to be activated. By activating Links, the application can estimate the exact capacities for all equipment and sites. Also, this activation allows the projection of absolute and relative costs of the project (each component, site, link, equipment, link...). An option of activating all combination of links is possible, but still not recommended as it needs a huge time of execution. It's recommended to define a strategy of activating link in relation with the project evolution.

Estimation

All estimations can be filtered by site, link, equipment, zone etc.

1. Costs
2. Capacities
3. Lengths
4. Zone optimization
5. Derivation Nodes optimization
6. Losses
7. Issues
8. Recommendations

VOP Validation

Outputs

Phase 6

Outputs

