Common plan:

1. Preparation for first alfa release:
   1. Test on real example from practice, collect errors and fix them
   2. Executable on separate branch
   3. Description and readme
2. In parallel to alfa-testing:
   1. Need to write cause of validation fail
   2. Wrong load value is being displayed: A screenshot of a computer

      Description automatically generated
   3. Refactor
   4. Test drawing with validation
   5. Restore reconnection
   6. Cover by tests file handlers and solver
   7. Tune placement of buttons in message boxes
   8. Autosave, save to the same file
   9. Icon for duplication loads
   10. Control nodes’ names uniqueness
   11. Add efficiency of DC/DC and self-consumption of linear
3. Not needed every time ask to save net. In only cases when the net has been changed.
4. Add points
5. Convenient duplication of nodes
6. Show consumption of sinks
7. Return to use recordclasses in gui\_int instead classes
8. Clean up repo and make Tree standalone (and maybe other potential libraries)
9. Solve issue with artifacts on QGraphicsView
10. Show every sinks consumptions separately
11. Unified blocks
12. Add current sources and different types of loads (constant power load, E-lock and OBC board) and converters, modify the file schema
13. Implement setting, checking and displaying limitations
14. Implement element’s library
15. Try to implement connection with Confluence (displaying and storage in pages, loading consumption requirements from Yogi or embedded macros)

Following features and modifications:

* Measurement units as data types
* Modes of device’s work
* Selection of max of consumptions of different modes
* Heating calculations and limitations checking

Knows issues:

* **Complex parent nodes deletions in complex nets may be being done incorrectly and with scene corruptions**
* When you load net, then add new nodes, then repeated nodes’ names may appear