CLAIMS

1. A method for the construction of an industrial plant, in particular a petroleum refinery, by means of scaffolding units, each of which will be assembled from individual scaffolding components, comprising the following steps:

Providing a 3D construction plan in which building structures of the industrial plant are recorded;

Drawing of scaffolding units to be used for the construction of the industrial plant in the 3D construction plan of the industrial plant in which the 3D construction plan is modified for use of a predetermined scaffolding unit with respect to at least one building structure of the industrial plant;

Building of the industrial plant according to the modified construction plan and by use of the scaffolding units drawn in the 3D construction plan.

2. A method according to Claim 1, in which the 3D construction plan is modified with respect to a spatial arrangement, size and/or construction of the building structure.

3. A method according to Claim 1, in which the 3D construction plan is modified with respect to a building structure which is designed as a fluid line or as an electrical line.

4. A method according to Claim 3, in which a welding seam of the fluid line is repositioned such that it can be generated by use of the predetermined scaffolding unit.

5. A method according to Claim 1, in which the construction plan is modified with respect to a load-bearing building structure of the industrial plant.

6. A method according to Claim 5, in which the at least one building structure is provided with support points for the predetermined scaffolding unit.

7. A method according to Claim 1, in which the predetermined scaffolding unit is a, preferably rail guided, sliding scaffolding unit.

8. A method according to Claim 1, in which the 3D construction plan is modified with respect to several building structures of the industrial plant for use of a plurality of predetermined scaffolding units.

9. A method according to Claim 1, in which the provision of the 3D construction plan and drawing of the scaffolding units in the 3D construction plan including modification of the 3D construction plan is done by means of a computer-installed software.

10. A method according to Claim 9, in which at least part of the scaffolding units to be used for the construction of the industrial plant in the 3D construction plan of the industrial plant are selected from a range of different scaffolding units predefined in the software.

11. A method according to Claim 10, in which the scaffolding units which are predefined in the software can all be assembled from scaffolding parts which are compatible with each other and which belong to a manufacturer-specific scaffolding program or system.