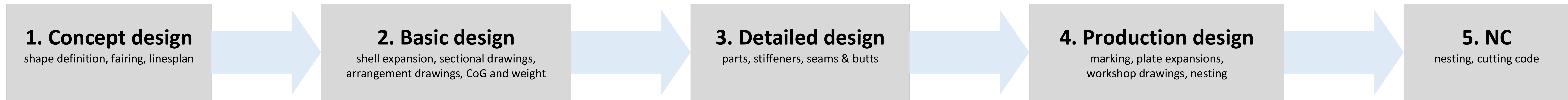
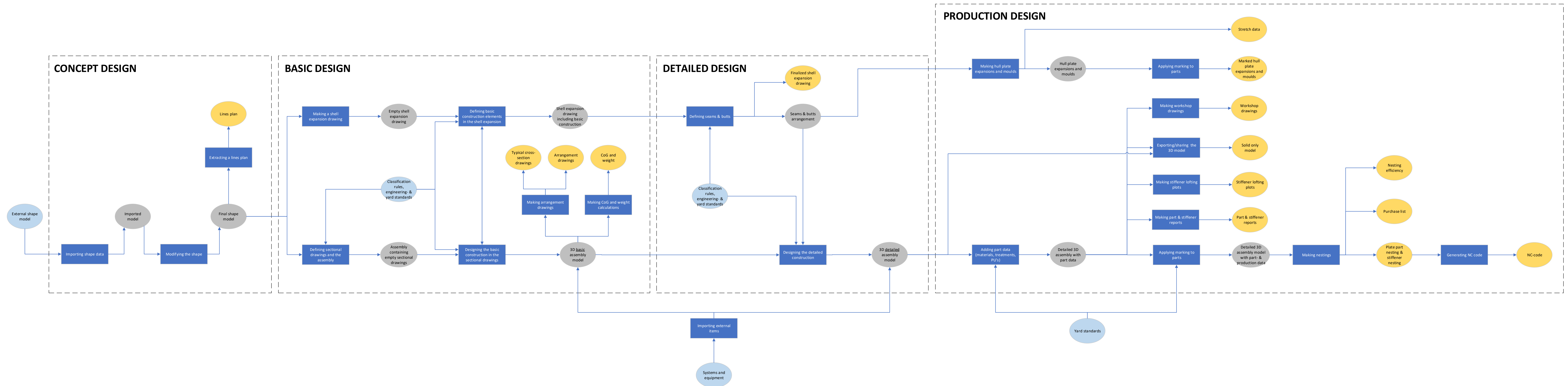


# Engineering process diagram



**Legenda**

Here the typical steps in the engineering of a hull construction is displayed. The diagram describes - from left to right - how to design a hull construction. The starting point is a shape model, and the output is a 3D construction model with part- and production data, and typical deliverables.

The **blue rectangles** represent a process step, **an action**. The **grey ellipses** represent an intermediate 'input / output' variable. The **yellow ellipses** represent a deliverable, an **output variable**. The **blue ellipses** represent an **external input variable**. All these steps and variables **are described in the knowledge base**.

Process step  
 External input  
 Intermediate input / output  
 Deliverable

**Note:** The diagram is displayed as a sequential process schema, while in reality the engineering process is **iterative** by nature and can jump between design stages. The steps are categorized in the most logic design stage.

For example:

- The step 'making arrangement drawings' belongs most in the basic design, but could also be done in the detailed or production design.
- 'Making CoG and weight calculations' is most typical for the basic design, but can also be done in the detailed design stage.
- 'Exporting/sharing the 3D model' can be done in any stage, but is categorized in the production design stage.