

# Process-Driven Lab & Facilities Design

Insight in designing the ideal laboratory or facility layout and flow based on actual lab processes and operations

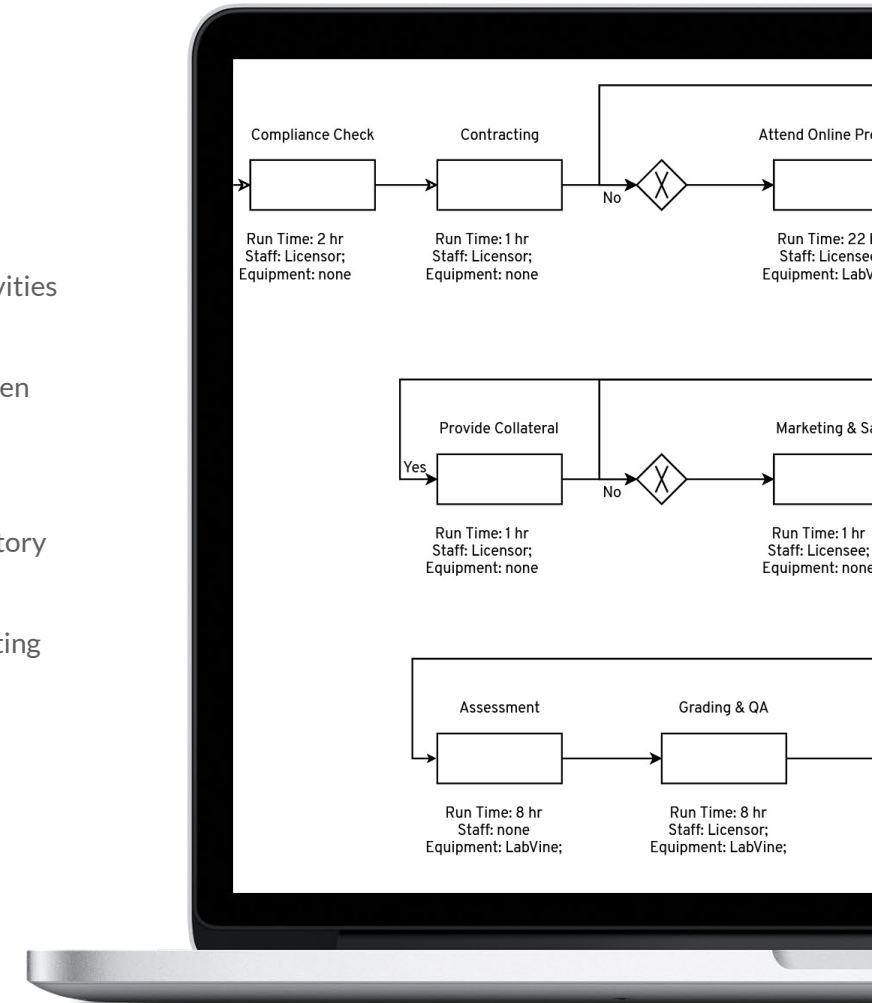
# Getting Started

Knowing where to begin with a new lab or facility design can be the most challenging (first) step. A process driven design approach eliminates these uncertainties and gives insight into your lab activities and requirements.

## Laboratory / facility process analysis

## Full end-user needs analysis

- Map actual laboratory activities and processes performed.
- Show dependencies between activities and areas.
- Specify operational, regulatory and industry requirements.
- List equipment and supporting services requirements.
- Review future growth requirements.



## How processes influence design

Process analysis can be seen as a complete project on its own. The benefit of this exercise when combining this approach with your design project is a layer of certainty to your future planning.



- 1 Process flow directly impacts your spatial requirements (sqm's).
- 2 Visualising your processes highlights interdependencies in activities that will impact adjacency preferences.
- 3 Process flow analysis identifies opportunities for consolidation by identifying similar activities and operations.

## Designing a new lab or facility is a process

The correct approach and management of the design process are critical. Reduce the number of unknowns and uncertainties and start planning with the end operations in mind.

For more information, please contact:

**Carike Uys**

*Senior Consultant Pr. Eng.  
Industrial Engineer*

E: [carike.uys@protonmail.com](mailto:carike.uys@protonmail.com)





**Thank you**