

# NORLAB

WWW.NORLAB.CA



CONSULTANCY BROCHURE // 2021

## WHO WE ARE

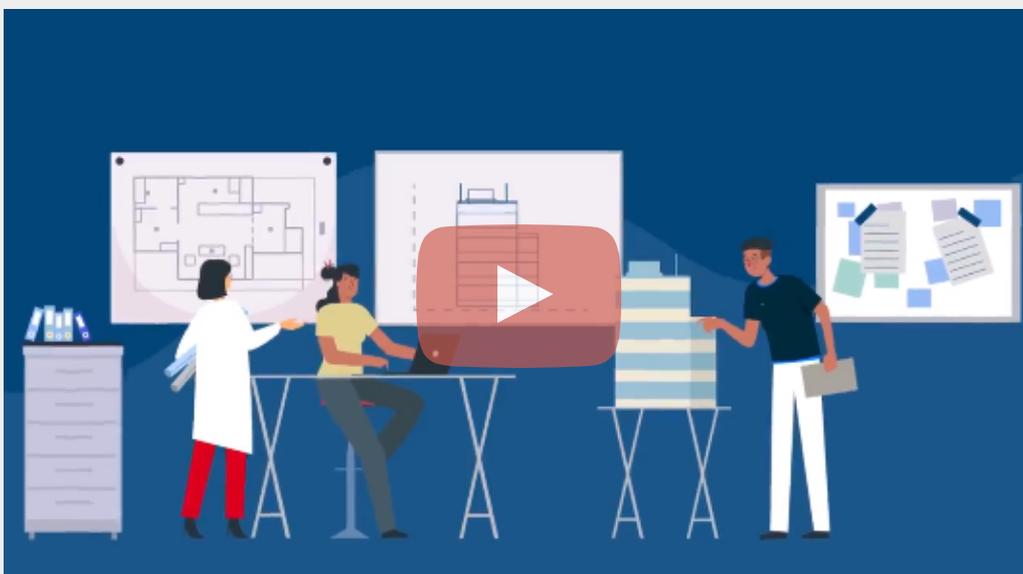
Scientific spaces must be functional, efficient, safe, and flexible. Most importantly these spaces must be designed to meet the specific requirements of the science it is intended for. Since 1985, Norlab has been helping clients meet those requirements with the design, supply, service and installation of laboratory FF&E, health care furniture, safety flooring and life science equipment.

Norlab is your one-stop-shop for all healthcare and bio sciences needs. We partner with industry leading vendors and award-winning brands across the world guaranteeing delivery of the safest and most up-to-date products to the market we serve.

Our expanded product and services portfolio combined with years of experience in laboratory design and project management allows us to deliver the most optimal integrated solutions. We collaborate with clients, designers, and builders to support the design and construction of high performing scientific and healthcare spaces throughout Canada. As we evolve, we continue to expand our product offer to deliver the most complete solutions for all healthcare and life science spaces needs.

Norlab operates as a subsidiary of Solutions Group of Companies (SGC) – an Edmonton based commercial interiors services provider with national contracts with Alberta Health Services, University of British Columbia, Environment and Climate Change Canada, Fisheries and Oceans Canada, Government Services Canada, and others.

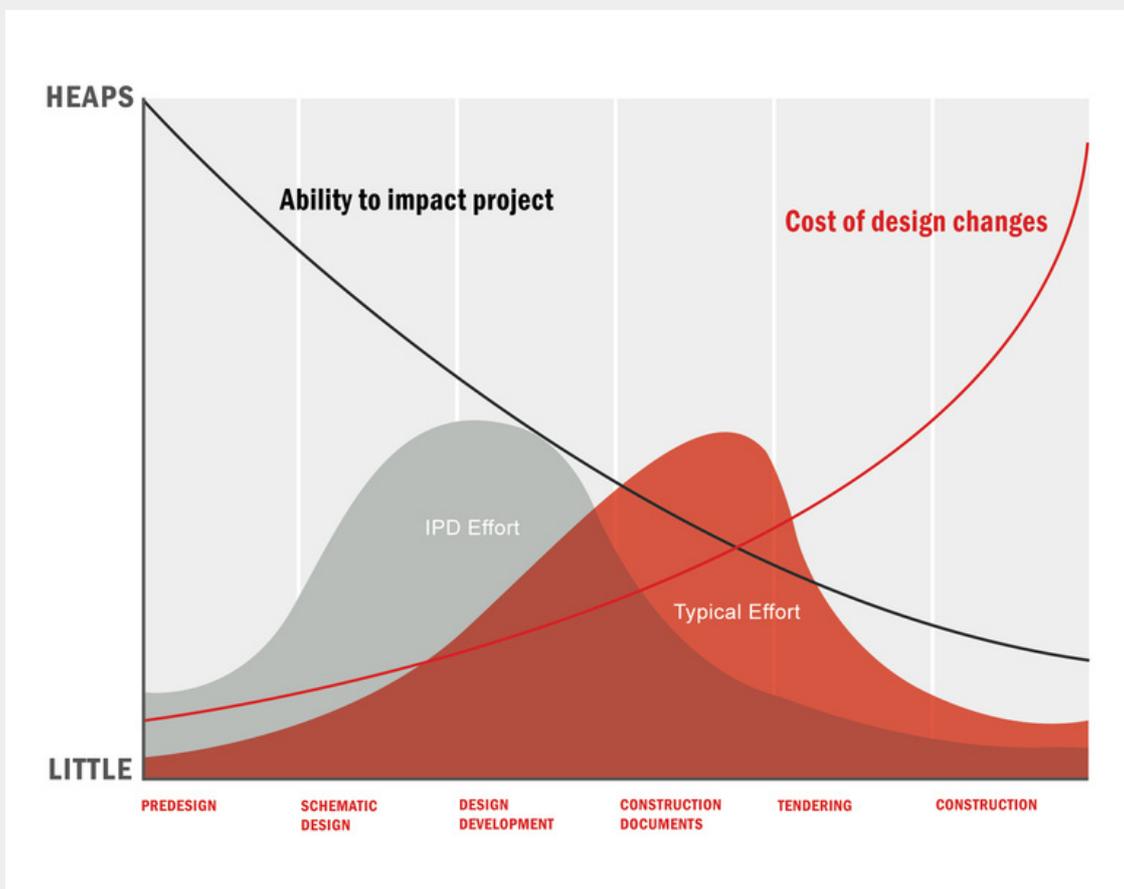
## OUR BRAND VIDEO *(2.5min watch time)*



## WHY US

Changes to Fixtures, Furniture & Equipment (FF&E) during the tender and construction phase of a project can have significant impacts on project cost and schedule. Having an FF&E specialist involved in the design phase ensures verified FF&E material and system selection, streamlines the specification process, reduces load on your project team and eliminates costly design changes later in the project.

Our years of industry expertise has shown that late stage changes can be – and should be - avoided by involving the correct resources to advise on decision making.

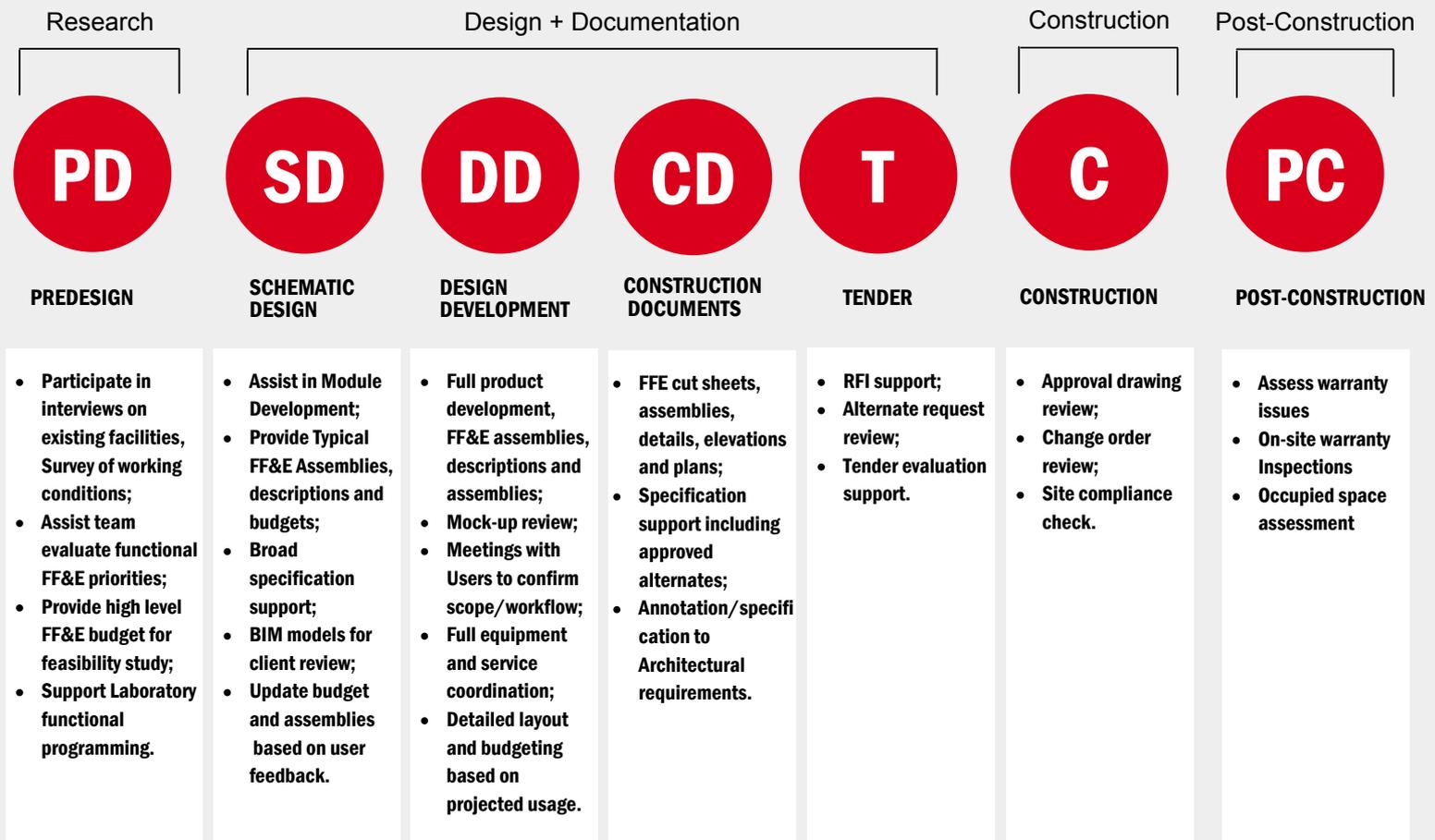


Norlab help clients save time and money by identifying potential issues that may arise and offer value added solutions. Our main goal is to improve the quality of our clients' deliverables. While laboratory and healthcare FF&E represents a small overall portion of work, it has a big impact on end-user happiness. We provide specification and assembly support to help reduce internal resources requirements, ensure proper product selection based on best practices and safety requirements, ultimately eliminating risks, and improving the quality of work it's being designed for.

## HOW WE CAN HELP

### Design Assist Methodology

Our streamlined process is one of our greatest assets. We are experienced in multiple levels of project support that seamlessly tie into collaborative delivery models from schematic through final design, specification, and budgeting.



## HOW WE CAN HELP

### Post-Covid design study

Laboratory Post-Covid design is rapidly evolving, with common issues being identified through multiple studies. One recurring finding is the impact of storage and consumables in the lab space and the challenges they create for proper cleaning and decontamination. As part of the user reviews, we would identify the storage requirements with users and propose storage solutions from Healthcare, Laboratory, and Industrial furniture manufacturers to meet the requirements.

We will be continuously reviewing the project throughout the design phases for Value-Added Initiatives and will present them as they are developed.

### Laboratory and Healthcare FF&E Consulting

We understand the importance of the client's specification and that they have developed their material specifications for this project. However, one of the most common design improvements can be the evaluation and confirmation of the laboratory casework and countertop materials. The effectiveness of materials varies greatly based on application and incorrect material can have significantly reduced life expectancies. In a Laboratory casework and countertop material study we work with the user group to confirm process, chemicals, cleaning requirements and performance requirements to evaluate each worksurface throughout the project.

#### **During the design process our team may identify value-added Initiatives:**

Any identified initiative will first be reviewed internally to confirm it aligns with the project specification and intent of use.

- Proposed products will be based on improvements in monetary value, performance and/or enhanced user experience, or safety.

## HOW WE CAN HELP

- Products will be presented to design team and users in a Value-add Proposal (VAP). Proposal will include:
  - Detailed description of product, and why we are recommending it for the project.
  - Comparison of proposed product specification to project specification
  - Proposed product spec sheet/assembly drawing
  - Budget for proposed product
  - Schedule for proposed product



# CASE STUDY

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## **NEW ST. PAUL'S HOSPITAL VANCOUVER BRITISH COLUMBIA (\$6.5M FF&E BUDGET)**

The new St. Paul's Hospital and health campus is the most innovative approach to the delivery of integrated care in B.C. and Canada, designed to appropriately address the future health needs of patients, families, and our communities. From hospital care to primary and community health solutions, the new St. Paul's Hospital and health campus will continue to lead innovations in care, research, and teaching.

### Collaboration with Consultant team

Support of the PCL IPD team through the project lifecycle. Tender support providing projected budget and scheduling, post award support of SD FFE assemblies and budgets. Full detailed design support including client interviews, FFE assembly development, BIM modelling, mock-up support and review, optimization, and value design of products. Provided specification support for tender package including pre-approved alternates.

### Innovation

Development of full Laboratory FF&E manufacturer BIM families to meet LOD 200 and Omniclass code as per project standards for full integration into building modeling.



# CASE STUDY

# NORLAB

## **GILEAD PHARMACEUTICALS EDMONTON WEST CAMPUS 1 AND 2 (\$7.2M LABORATORY FF&E BUDGET)**

This bold and modern laboratory facility was designed for Gilead ULC, an organization who develops and manufactures investigational drugs and supplies ingredients for clinical research programs. The clients presented unique requirements that required over 200 custom fume hoods and 1000LM of casegoods including pre-built modular island chases with pre-installed electrical, gas and drainage services ready for termination at building connection points.

### Collaboration with Consultant team

Design-Assist Manager Tyler Holmberg was included in the project design team from the initial stages of schematic design through 100% design and product delivery. Tyler directly led the user interviews and design meetings to evaluate and test materials, create typical and custom product assemblies, laboratory modules and fume hood requirements. Results were then reviewed with the Architect and CM before the Norlab design team created the Laboratory specifications and drawings.

### Innovation

Designed custom plug and play island service chases, including pre-piped gas services to ball valves, electrical services to junction boxes. Chase was factory CSA approved and pressure tested for use according to project specifications and local codes. Custom fume hoods and sample storage cabinets to meet user requirements.



# CASE STUDY

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## **EDMONTON LAB HUB EDMONTON ALBERTA (\$8-10M LABORATORY FF&E BUDGET)**

Designed to meet LEED Silver Standards, this unique 440,000 sq. ft space would be used for testing, but also for clinical, research and teaching functions. The facility would also have a CL3 containment lab to house highly infectious risk group 3 pathogens that may be transmitted by airborne route. Norlab worked with PCL on the design and budget support for Laboratory Furniture from Substantial design through 100% design.

### Collaboration with Consultant team

At the beginning of the substantial design PCL contacted Norlab to review client and consultant team design guides and provide design reports, typical furniture modules, budgetary pricing, and planning schedules. Collaboration of budgets and schedules continued through the final design phase, including final specification and block support.

### Innovation

Specified casework was mobile and required client specific electrical configurations including back up power. Custom cord management was created to manage umbilical services from the ceiling service panel to the mobile systems.



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