



**ALPIN
INNOVATION
LABS**

ALPIN INNOVATION LABS (AILA)

INFORMATION
SECTOR TECHNOLOGY
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Table of Contents

Brief	4
Background	5
How do we do it?	7
The Innovation Council	8



BRIEF

For the past few decades, the construction industry has proven to be challenged by issues. Issues of time, money, and operational inefficiency.

Projects are rarely delivered on time and within budget, operational costs are often higher than initially predicted, and in many cases built-assets do not operate as efficiently or sustainable as intended. While most other sectors have excelled in ever increasing productivity, the construction sector has unfortunately stagnated.

Alpin Innovation Labs hopes to change this.

BACKGROUND

The issues mentioned above relate to the outdated practices that are still being used to design, build, and operate buildings. Additionally, sustainability is often ignored, not properly planned for, or seen as a burden rather than virtue that has both economical and social benefits.

The Economist has rated the construction industry as the least efficient industry, and the fact that this industry has yet to completely adapt to the digital world only cements this rating. Technology has jumped far into the future in comparison to the design and construction sustainability practices used on most projects today.

This is where Alpin Innovation Labs comes in. We want to positively impact the industry both locally and also on a larger scale. Putting sustainability of design and construction, and operation efficiency at the height of our focus.

We aim to revolutionize and commercialize, not only the technical

elements of the construction industry, but also the construction process itself.

Our initial focus will be on:

1. Integration of services (innovating in the places in-between)
2. Exploring applications of drone technology for inspections
3. Use of augmented reality for remote inspections
4. Development of streamlined software for repetitive work optimization and building performance visualization
5. Improving the human quality of site offices.

Alpin Innovation Labs - The Vision

To provide innovative practices that promote an efficient, cost effective, and industry-changing delivery of projects' success targets in terms of design, construction, and operations.

Alpin Innovation Labs - The Goals

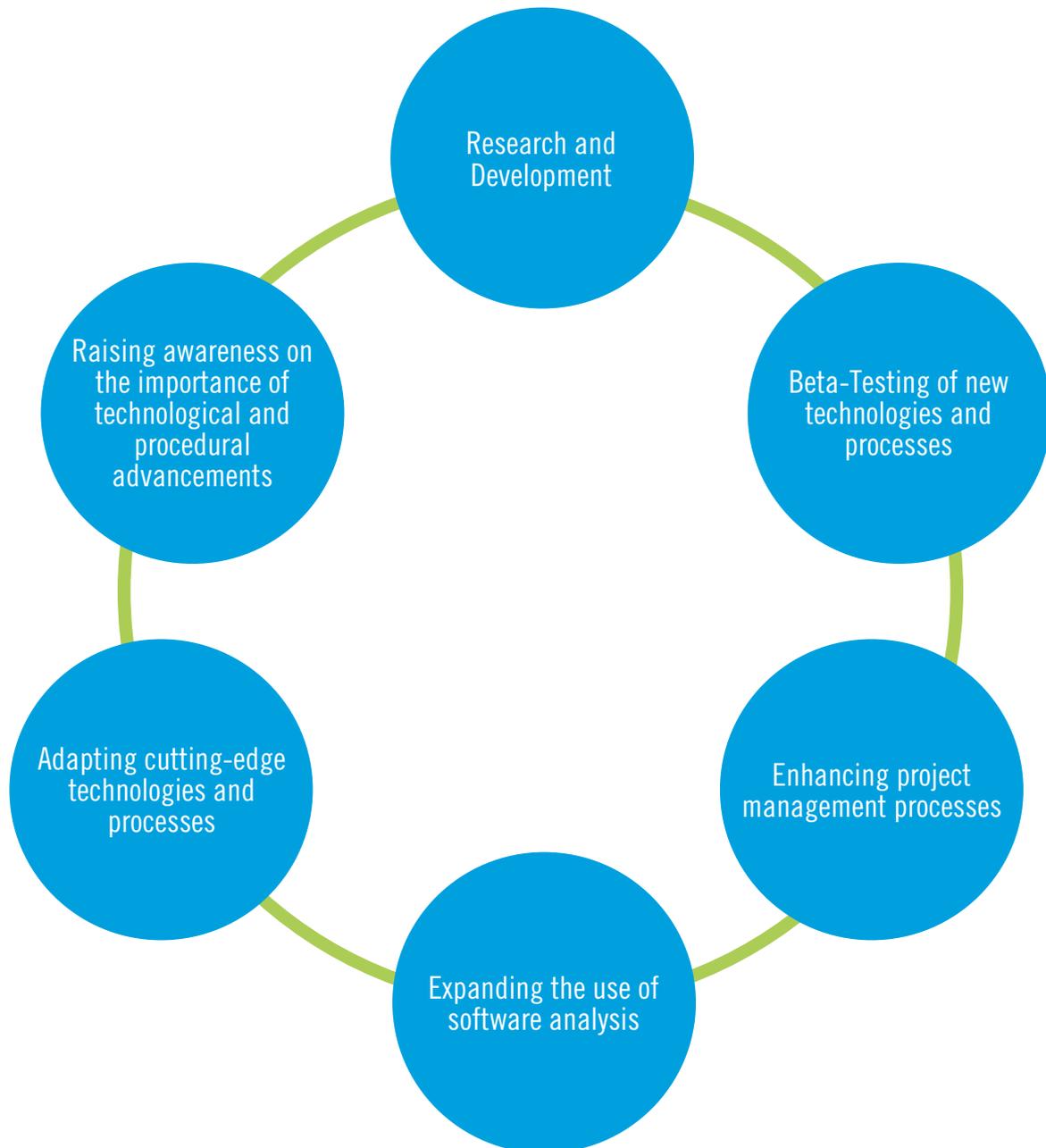
As a pioneer in commissioning sustainability consultancy and BIM, Alpin has developed the “Alpin Innovation Labs” (AILa). An integrated group within the Alpin organization that aims to:

1. Positively impact the construction industry and provide the tools and strategies for a positive transformation of how sustainable design, construction, and operations of buildings are performed.
2. Evolve sustainability practices and adapt the industry to the technological era.
3. Introduce new services to the market that allow for a smooth transition from paperwork to technology adaptation in the industry
4. Develop leading-edge processes that support efficient delivery of projects' success targets.
5. Adapting technological means to deliverables that ensure highest levels of quality development.



HOW DO WE DO IT?

The general approach to developing and adapting innovative sustainability practices to the projects' development includes:



THE INNOVATION COUNCIL

To ensure the adaptation and development of innovative solutions follows a stream-lined process, Alpin has set-up the Innovation Council:



The roles of the innovation council includes:

1. Driving AILa's process
2. Encouraging and leading the Innovation Games
3. Deciding on the next innovations to receive company grants
4. Championing certain innovation initiatives



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