

# A vertically-integrated provider of light-gauge steel construction

FAST. PRECISE. ECONOMICAL. DEPENDABLE.





# Building technology that changes everything

The A-LINX system represents a comprehensive, game-changing approach to construction. For architects and engineers who design and build using light-gauge steel, A-LINX provides significant out-of-the-gate competitive advantages compared to conventional alternatives. Here is an overview of the systems major structural components:

Our factory-made components:

- are assembled to high-precision standards
- dramatically reduce production waste
- are adaptable to a wide variety of design approaches

## 1. FLOOR ASSEMBLIES

A-LINX uses a variety of floor systems, including composite decks, hollow-core plank, open web steel joists, and standard C-joists.

## 2. EXTERIOR WALLS

Exterior wall sections are typically shipped with insulation, air barrier and sheathing in place. They can also be shipped with a variety of pre-installed exterior finishes, i.e. EIFS, faux brick, hardy board or aluminum paneling.

## 3. PREFAB PANELS

Load- and wind-bearing panels are designed using specific gauges and dimensions based on load requirements to support the building's complete superstructure.

## 4. STRUCTURAL STEEL

Structural steel elements such as posts, angles, HSS and W sections, are included as required to provide added strength for point loading and to support larger spans.

## 5. LINTELS

Steel stud/track or structural steel beams are installed above most windows and doorways to distribute load across open spans.

## 6. SLAB SHORING

When required, these temporary beams support the floor slab while the concrete is being poured and cured. They are strategically located to allow roughing in of interior walls on below floors.

## TYPICAL INCLUSIONS NOT ILLUSTRATED

- Cast-in-place cores
- Pre-installed windows and doors
- Prefabricated mechanical openings
- Shop drawing preparation and engineering



# Six advantages you can't afford to ignore:



## DESIGN FLEXIBILITY

Standardized or custom components built to custom specifications.

*Result: extensive design flexibility.*



## SINGLE-SOURCE ACCOUNTABILITY

From site civil to superstructure, A-LINX and its affiliates deliver a complete service.

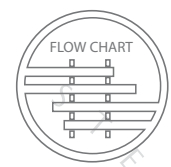
*Result: single-source reliability.*



## AVOIDANCE OF WEATHER RESTRICTIONS

Less affected by traditional on-site construction conditions.

*Result: tighter scheduling, reduced weather-related delays on site.*



## PARALLEL WORKSTREAMS

Components pre-manufactured in tandem with site civil and construction work.

*Result: faster, earlier installation.*



## LESS MANPOWER REQUIRED ON SITE

Less skilled labour required on site.

*Result: reduced cost and lower risk of injury.*



## FULLY INTEGRATED PARTNER

Total compatibility with all other building technologies.

*Result: seamless integration with most engineering designs.*



## ...and six more:

### PRECISION FABRICATION

Process uses Quality Control Systems to ensure product conformance before arrival on site. *Result: reduction in quality disruptions.*

### REDUCED MATERIAL WASTE

Zero net material waste incurred compared to traditional methods. *Result: tighter cost control.*

### LEAN MANUFACTURING APPROACH

Systemic approach to building safely, quality first, cost-focused and efficiency oriented. *Result: optimal product, significant cost savings.*

### LIGHTER FOUNDATIONS

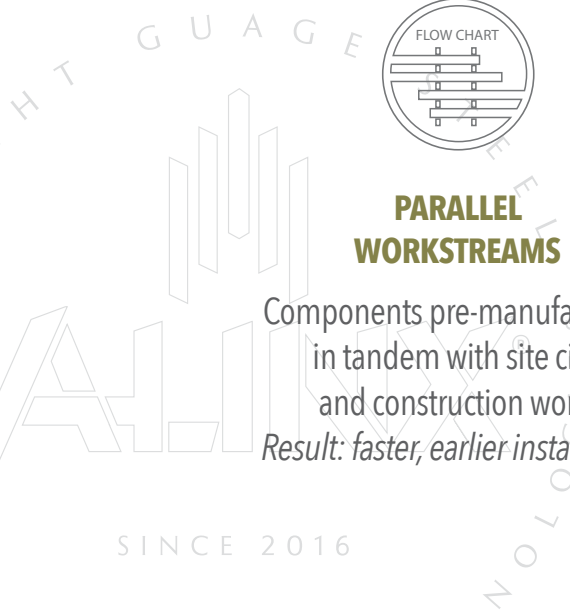
Lightweight components reduce the required bearing capacity and increase efficiency. *Result: significant cost savings*

### LIMITED STORAGE REQUIREMENTS

Better materials management reduces on-site storage and space-usage requirements. *Result: ideal for compact work sites.*

### EXPEDITED ERECTION

Compressed site schedule limits on-site resources/equipment. *Result: on time and on budget.*



# Revolutionary speed and flexibility

**35%**  
FASTER  
SUPERSTRUCTURE  
BUILD

*Typical A-LINX performance compared to conventional (cast-in-place) construction*

It's no wonder why recent developments in pre-fabricated light-gauge steel construction are shifting the status quo of traditional building methods. Light-gauge steel dramatically improves every aspect of the construction cycle, making it a more economical, profitable and competitive way to build.

While other benefits, discussed elsewhere in this brochure, are significant, the speed and flexibility of light-gauge steel are clearly its

most revolutionary advantages. In typical cases, using light-gauge steel for your superstructure can reduce erection time by 35%, compared to conventional cast-in-place construction.

And, as shown in the photo, exterior wall components can be installed—in minutes—with pre-manufactured exterior finishes such as EIFS, faux brick, and aluminum panels, etc. already in place.





# Cost savings that drive winning proposals

The A-LINX building system delivers a significant competitive advantage – primarily through an improved construction schedule, unmatched quality control and precision workmanship, and improved utilization of materials.

The reduction in materials usage and the associated cost savings result in lower-weight superstructures that can be erected over less stringently engineered foundations and footings – again, resulting in lower overall build costs.

Other significant savings, as we've detailed throughout this brochure, also arise from:

- Reduced need for expensive skilled trades on site
- Reduced exposure to weather delays results in lower downtime

- Assembly processes in our factory are cost controlled for maximum economy
- Controlled materials procurement and handling in factory result in reduced waste
- Front-loaded planning allows for value engineering and for cost-containment strategies to be designed into the entire structure

### BOTTOM-LINE RESULTS

The bottom line results of these and other factors dramatically validate our claim to offering a significant competitive edge as compared to traditional building processes.

**20%**  
SUPERSTRUCTURE  
COST SAVINGS

*Typical A-LINX savings compared to conventional (cast-in-place) construction*



# A vertically-integrated partner that does it all

## COMPREHENSIVE TURN-KEY CONSTRUCTION

Building modular panels is one thing; being able to smoothly manage every aspect of your project, from xxxxx to xxxxxxxx, is another. That's where A-LINX shines most brightly. Through our affiliate companies we are able to consistently deliver a seamless suite of construction services that allow you to focus on planning your next project. What else do we say here along the lines of the "complete breakfast theme?"

## AFFILIATED SERVICES

- Planning, permitting and development support
- Major infrastructure work and site preparation
- Modular and custom component development
- General construction and site management (?)
- Electrical infrastructure
- What else goes here?
- What else goes here?



Our core team has managed projects collectively valued at over \$7 billion



# GAME CHANGING. TO THE CORE.

A-LINX pre-fabricated light gauge steel construction gives architects and developers a distinct competitive edge with game-changing reductions on superstructure construction costs.

A-LINX builds on the strength and experience of industry

professionals who deliver decades of experience across a comprehensive range of construction disciplines. Our core team is led by experienced innovators in light-gauge steel, backed by on-staff construction consultants who have collectively managed projects valued at over \$7 billion.



HEAD OFFICE  
5175 Concession Rd 8, Oldcastle (Windsor), ON N0R 1L0

SALES OFFICE  
5900 Explorer Drive, Mississauga, ON L4W 5L2

[www.alinx.build](http://www.alinx.build)

