

◁ **Armatures Bois-Francis's  
Digital Transformation:  
Setting the Benchmark  
for Using Technology in  
Construction** />

# Armatures Bois-Francs.

Build an interconnected software system using Power Apps and SharePoint to seamlessly link job site activities to production and accounting.



*« We now work with unrivalled efficiency and precision. The high adoption rate among our site teams speaks volumes about the system's success. We are extremely satisfied with the result and are keen to pursue further technological advances with Openmind, our trusted partner. »*

— *Éric Nadeau, Vice-President, Construction*

**Armatures Bois-Francs**  
REINFORCING STEEL FABRICATION  
AND INSTALLATION

head office: Victoriaville, Quebec

annual production  
of over 85 000 m.t.

ISO 9001:2015 certification

500 employees

founded in 1976



## Automating the management of construction site documents at Armatures Bois-Francs; building integration between ERP, accounting and SharePoint.

Despite remarkable growth over the past 10 years and being awarded large-scale projects in Ontario and Western Canada, profitability of the company's projects is undermined by ineffective site document management.

Foremen struggle to produce reports due to lost, damaged, or forgotten delivery notes and site memos; leading to delays and billing errors. Processes involve many manual operations, and duplication of data due to the use of paper documentation is commonplace.

These traditional processes affect both steel inventory management and the company's revenues and cash flow.

To improve profitability, Armatures Bois-Francs was looking to:

- > Optimize foremen's administrative tasks
- > Eliminate billing errors and data duplication
- > Invoice customers for project extras more rapidly



**By digitizing job site documents and automating their management, Armatures Bois-Francis benefits from increased data accuracy, while considerably accelerating its invoicing process.**

An automated document management workflow linking job sites to ERP and accounting software eliminates manual operations and data duplication.

Armatures Bois-Francis' foremen now use digital documents to keep track of steel received, installed, and remaining in stock for all projects on all current job sites. Digitizing job site documentation has made it possible to:

- > Automate confirmation of receipt of steel deliveries on job sites.
- > Automate the production of daily and weekly reports and link them directly to the accounting software.
- > Invoice customers more quickly for extras during the course of a project, using automated job site memos.
- > Facilitate the correction of errors in foremen's reports.

All sequences in the process are interconnected using Microsoft Power Apps. When a project is initiated in the ERP software, the data is saved in SharePoint and a digital delivery note is produced. The delivery note can then be accessed on the job site via an iPad to confirm a delivery of steel.

Confirmed delivery notes populate foremen reports, which are then validated and saved in SharePoint. Finally, the workflow ends with billing, which uses data from foremen's reports that are automatically pushed from SharePoint to the accounting software.



Beyond steel: Armatures Bois-Francis' digital transformation redefines excellence for using technology in the construction industry

# Armatures Bois-Francis transforms its operations by automating job site document management



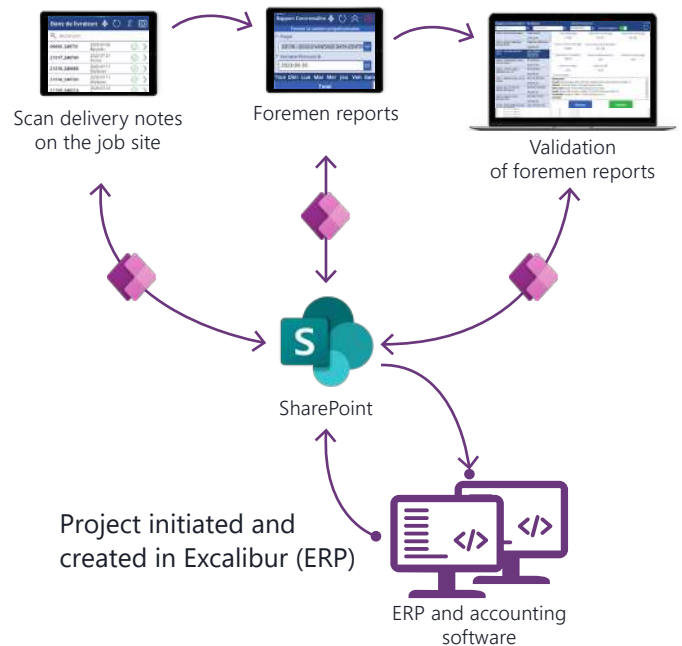
A solution that links job sites to ERP and accounting software

The implementation of a digital bridge has initiated the remarkable transformation of Armature Bois-Francis' operations. This transformation was made possible by the digitization of delivery notes and the systematization of the foremen's reporting process.

Moving forward, all job site documents and the quantities of steel indicated on them are precisely accounted for. It is easier than ever for foremen to produce their reports and their diligence has greatly increased. The fully automated solution which integrates with existing software, has been adopted by the majority of job sites in Quebec and Ontario.

These measures resulted in a significant improvement in accuracy, a reduction in errors, and a noticeable acceleration in data processing.

From an administrative point of view, the tracking of steel deliveries, installations, and remaining inventories, is more efficient, thereby optimizing project and production management. Also, as the invoicing process is accelerated, the company has considerably reduced its losses and increased its profitability.



## Improve overall operating efficiency, save resources, and reduce losses

By integrating technology into the management of its job site documents, Armatures Bois-Francis operates with unparalleled efficiency and precision, confidently anticipating the future and its next phase of growth.

