



How LUDWIG FREYTAG succeeds in attracting skilled labor with modern technology

SUCCESS STORY



Founded in Germany in 1891, family-owned LUDWIG FREYTAG utilized the expertise of four generations in construction to become a leader in the German construction industry.

Specializing in structural, industrial and civil engineering construction, they also offer additional services in planning, turnkey construction, maintenance and the supervision of all types and sizes of construction projects.

320+

field technicians on board

360

automated workflows

30K+

completed documents

Challenge

Stable growth has allowed LUDWIG FREYTAG to expand through a broad network of branches and affiliated holdings, working on both private and public projects. However, the company encountered a number of challenges:

- 1 Labor shortage.** The biggest challenge in the construction industry. To attract more qualified workers, the company needed to adopt new technologies.
- 2 Paperwork.** Having a lot of paperwork (e.g. drawings, forms, contracts, bids/offerings) meant that the company used to send everything document-related by postal mail, fax or email. It was difficult to consistently streamline information, due to their reliance on paper. Large paper drawings are hard to handle on site, especially when it is rainy or windy.
- 3 High amount of small projects.** Working on i.e. house connections usually involves a lot of drawings and forms for relatively short lived, one day projects. This leads to many folders of paper in a short amount of time.
- 4 Site-to-office miscommunication.** Lacking asynchronous communication channels between the technicians working on remote construction sites and the back-office often caused confusion and led to time loss.



- 5 **Damaged documents and loss of sensitive data.** Delivery notes changed hands several times during the process of completion, with multiple people involved in the physical exchange of paperwork. This often resulted in illegible handwritten notes, as well as documents disappearing or being damaged during transportation to their final destination.
- 6 **Shipment delays.** It was a work intensive task to document shipments and the movement of materials, while transporting machinery from the builders yard to multiple construction sites. Shipping detail had to be transcribed by hand into the ERP.

Solution

LUDWIG FREYTAG found the right solution for their various business process challenges by digitally transforming their company with Fluix:

Digital forms

Service and inspection reports, time sheets, delivery notes, work reports, shipping documents, checklists and other documentation is digitized, up-to-date and instantly available at any time.

Live search for information

The ability to quickly search for stored information in a PDF saves time, compared to navigating through multi-page manuals.

Filling out and signing forms on iPad

There is no need to carry heavy paper binders from the site to the office anymore.

Timesheets

Many workers are paid at an hourly rate, so it's really important to have their timesheets correctly submitted to the back office on a weekly/biweekly basis, in order for salaries to be prepared inline with billable hours.

Barcode scanning

Technicians don't have to type anything in equipment shipment documents or delivery notes anymore – they just scan the inventory number or the barcode on machinery and heavy vehicles.

Document distribution

The creation and distribution of forms containing the latest data, information and updates is a much quicker process using Fluix.

Data processing

The back office receives aggregated data from the field in a structured way, without the need to sort documents manually or figure out technicians' handwriting.

Annotation tools

Teams can easily collaborate and add details to documents and drawings.



Results

"We really experienced the future of mobile working with documents."

Ludwig Freytag, RMT

MOBILITY

- ① The overall **workflow process has been streamlined**. Use of paper delivery notes has been reduced to almost zero in partaking divisions.
- ② **Barcode scanning** has helped in the document shipping workflow, as well as helping to avoid the misplacement of shipping documents and cutting delays in the delivery of documents back to the office.
- ③ **Easy access to drawings and photos** allows teams to provide instant updates to clients or partners.
- ④ **No needless trips by car** or truck between builders yard and site.

REAL-TIME CONTROL

- ⑤ With workflows, there is constant access and control over documents and the routes they take.
- ⑥ Documents are filed back to the database, and cross-checking with the last person who worked with the document can easily be done.

No in-house app coding. Fluix enabled LUDWIG FREYTAG to enable numerous mobile processes without the need to write or code mobile apps themselves (and coding in javascript for PDF forms is much simpler than writing an app from scratch).

Qualified talent. The company prides itself on using up-to-date technologies. By switching to mobile, they have attracted skilled young professionals.

Support. With tough and ever-changing schedules, efficient support is crucial.

"If there is a hiccup somewhere in the process, you can send an email to Fluix and you usually get an immediate response."

Timo Göbel, IT Consultant

Contact us at info@fluix.io to get started,
or sign up for a trial at [fluix.io](https://www.fluix.io)

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