



The cloud platform for digital maintenance and industrial IoT

Company & Product Overview

LIMES Technologies AG

Brüttisellen (ZH), Switzerland

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About Limes Technologies AG

Limes Technologies AG, headquartered in Brüttisellen (ZH), has developed and operated the bc4.us SaaS platform for digital maintenance management and industrial IoT since 2009. The company combines years of leadership experience in the industrial and service sectors with modern software development – with the goal of making the maintenance and operation of industrial plants predictable, transparent and efficient.

The Challenge

Conveyor systems and industrial plants often run without consistent digital transparency: maintenance is planned reactively rather than proactively, condition data goes unused, and coordination effort between engineering, service and management keeps rising. The result is unplanned downtime, inefficient use of resources and avoidable costs. Studies (including KPMG, 2022) confirm that companies achieve the lowest maintenance costs not through purely reactive maintenance, but through predictive maintenance.

The Solution: bc4.us

bc4.us is a cloud-based SaaS platform that combines digital maintenance management (CMMS) with industrial IoT capabilities. The platform captures operating and condition data in real time, makes maintenance processes predictable, and creates a central, transparent view of assets, work orders and service quality – for conveyor systems and heavy industrial machinery.

bc4.us is already in use in Switzerland, Germany and Australia.

Your Benefit with bc4.us

Beyond digitalizing processes, bc4.us creates concrete economic value – for plant operators and service companies alike.

Proven in Practice

Reference customers in Switzerland and Germany confirm this impact in day-to-day operation:

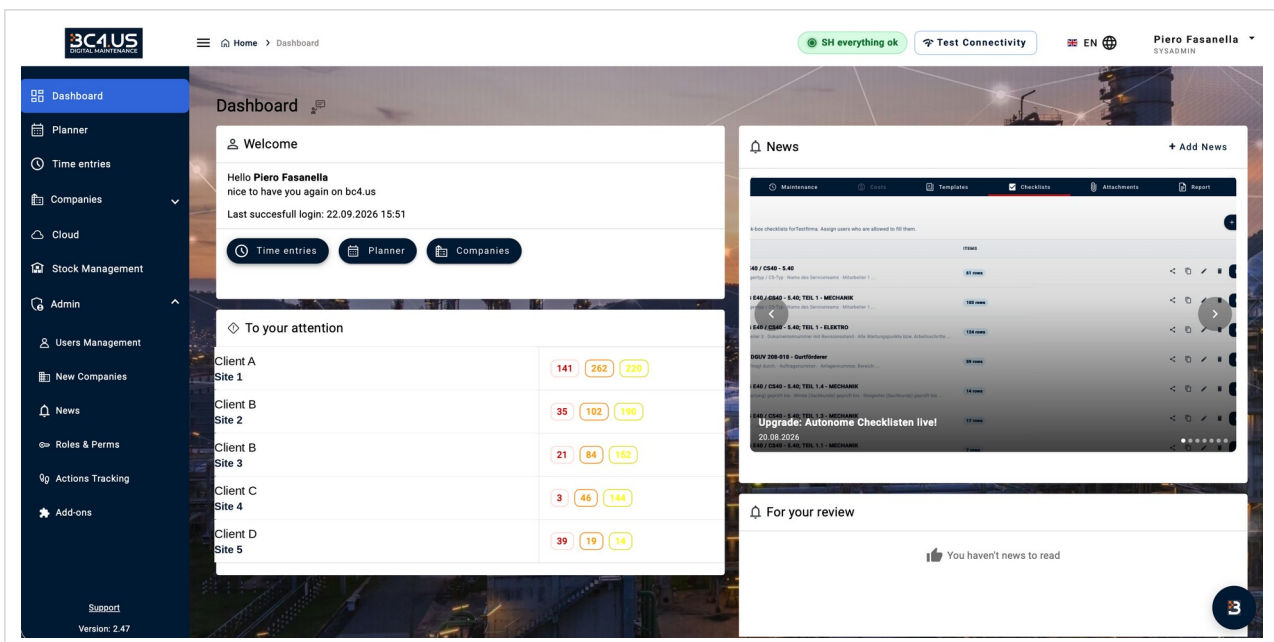
→ 0%	-10%	2x
Unplanned downtime	Maintenance costs	Service company revenue

At the same time, customer retention between the service company and end customer increases noticeably – through shared, transparent use of the same platform.

Knowledge Stays in the Company

Knowledge about customer plants is valuable know-how – and in many companies, it disappears the moment an account manager leaves. With bc4.us, this knowledge stays in the company: conditions, history and open action items are documented centrally, instead of living in individual employees' heads or scattered across the ERP system. No one has to dig through job after job to find out what's going on.

That creates a clear edge in winning new business: because bc4.us delivers the plant condition in real time, the service company is the first to know what needs to be done – a decisive advantage, especially in emergencies, over competitors who first have to assess the situation on site before they can even offer anything.



The bc4.us dashboard: every plant and every open item at a glance, in real time (customer names anonymized for demonstration purposes).

Grounded in Practice and Research

The conceptual foundations of bc4.us date back to 2010, when Piero Fasanella, as CEO Switzerland at REMA TIP TOP AG, developed a differentiation strategy built on digitalized maintenance services (CMMS) – in response to shrinking margins in the pure product business. This work culminated in 2014 in his Executive MBA thesis, „Der Weg aus der Commodity-Falle“ (“The Way Out of the Commodity Trap”), at ZfU International Business School. For the Swiss market, the study identified the following potential:

- Revenue growth by a factor of 2 to 3 through differentiation via digital maintenance services
- Industry revenue potential of CHF 20 to 40 million per year over a 10-year period
- Return on investment of around 20%, with payback already after roughly 2 years

bc4.us is the logical technological evolution of this approach – from an in-house CMMS solution to a standalone, cloud-based SaaS platform for the entire market.

Functions & Modules

- **Real-time data collection** – continuous capture of operating and condition data directly from the plant.
- **Condition monitoring** – early detection of deviations and wear.
- **Machine positioning & throughput tracking** – speed and volume-flow tracking for conveyor systems.
- **Digital maintenance management (CMMS)** – planning, documentation and tracking of maintenance work orders.
- **Multi-company & multi-site** – manage multiple companies, sites or customers on a single platform.
- **White-label capable** – deployable under your own brand for service partners.

Integrated AI Assistant

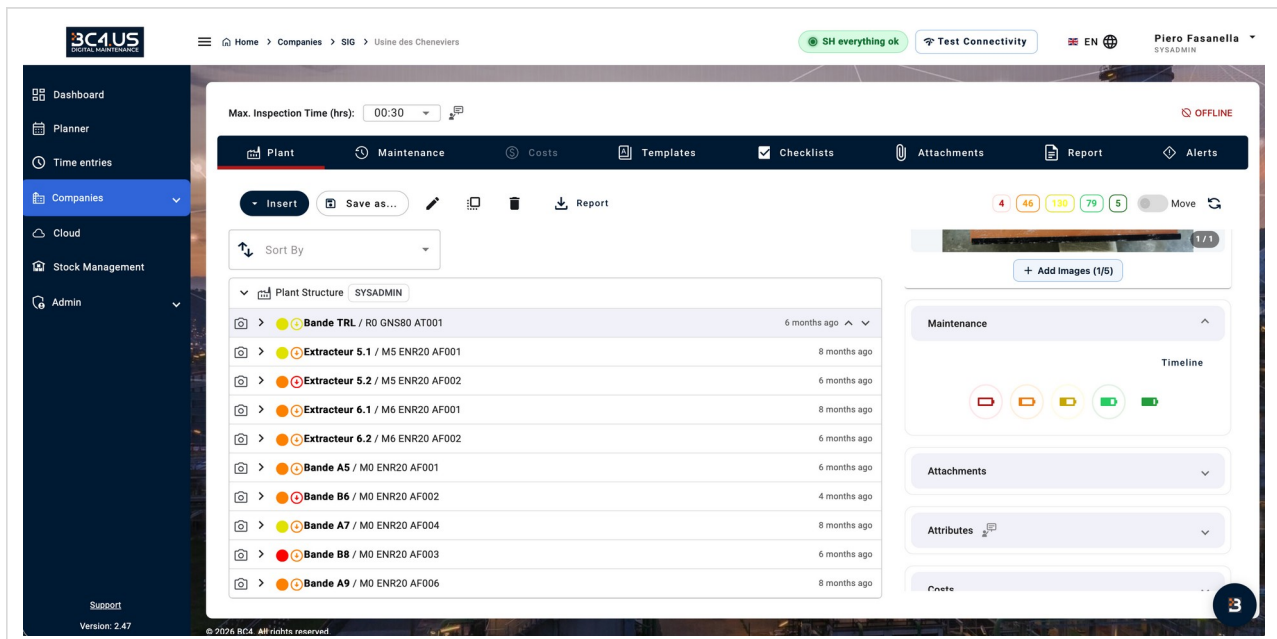
Every bc4.us license includes an integrated AI assistant that supports users in their daily work – from evaluating condition data to prioritizing maintenance tasks. In addition, numerous processes along the entire value chain are supported by artificial intelligence – increasing productivity across the board, from planning through execution to evaluation.

Distributed Responsibility, Greater Safety

When recorded conditions are automatically reported to the responsible people via the alert function – by email – responsibility for workplace safety is spread across more shoulders: it no longer rests solely with the maintenance manager, as management is also actively involved through the automatic notifications. The positive side effect: conditions identified and resolved early noticeably reduce downtime and translate directly into higher production output – as the results from our reference customers already show.

Proven in Operation

bc4.us is deployed, among other things, as the white-label solution «ROC by NILOS». SIG (Services Industriels de Genève), for example, has relied on this solution for the maintenance of its conveyor systems since 2019. A group-wide rollout is also currently underway at an international corporate group, across its individual group companies – further proof of the platform's scalability and practical fitness in daily industrial operation.



Digital plant structure in bc4.us – practical example: SIG, Usine des Cheneviers.

„The most significant benefit for us is that there are no unplanned shutdowns, which greatly improves our production.“

— Jean-Christophe Haug, Maintenance and Mechanical Manager, SIG (Services Industriels de Genève)

Roadmap & Further Development

bc4.us is continuously being enhanced. The following innovations will further extend the platform's value for customers and service companies:

From Manual to Sensor-Based Data Collection

The already established manual data collection (stage 1) is now being followed by the development of sensor-based, unmanned condition assessment (stage 2) – a major advancement with a marked increase in efficiency. Supporting AI analyses enable faster, more effective decisions.

New Modules

- **Equipment rental module** – developed for the Australian market; opens up an additional line of business through equipment rental.
- **Data box** – a new interface for connecting additional equipment components; unlocks additional revenue potential for everyone involved.

Pricing

Transparent, usage-based pricing with no hidden costs:

Segment	Base fee	Usage-based
Service provider	CHF 500 / month	+ CHF 100 per managed customer
Industrial company	CHF 300 / month	+ CHF 100 per plant / site

The integrated AI assistant and a 24/7 SLA for support and system availability are included in every license – at no extra cost.

Success-Based Licensing

bc4.us's licensing model deliberately avoids a classic per-user logic. Usage grows with success: the more value a customer creates, the more the platform is used within the company – and additional licenses are correspondingly welcomed, because they are directly tied to tangible added value.

A Fast, Guided Start

Anyone still working the classic way – with Word, Excel and the like – gets up and running with bc4.us very quickly. If another software is already in use, we jointly review what the interface to it needs to look like. During onboarding, we personally accompany you for one week, with direct exchange via video call. On request, on-site support is also available – for at least one week, with travel and accommodation costs plus a daily rate covered by the customer. The most valuable resource for day-to-day operation, however, is the training AI built into every chapter of bc4.us, supporting users directly within the system whenever they need it.

Why bc4.us

- Free, no-obligation trial – prove it before you commit, not just promise it
- Fast implementation – up and running in a short time
- Transparent, predictable pricing model
- Available in multiple languages (DE / EN / ES)
- Scalable – from a single site to a multi-company setup
- White-label capable for service partners
- 24/7 SLA included – round-the-clock support and system availability, at no extra cost
- GDPR-compliant, with a Data Processing Agreement (DPA) as a standard part of every license agreement

Contact

See for yourself – try bc4.us free for 30 days, with no obligation.

Configure your company, explore the key modules, and receive a clear report with recommended actions – with no commitment at all.

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