

Indexum

COPA-DATA Partner Spotlight



Indexum is a Peruvian engineering company and systems integrator recognized for its technical excellence in demanding industrial environments. A COPA-DATA Gold Partner, the company uses the zenon Software Platform to deliver scalable, standardized engineering for clients in the energy sector.

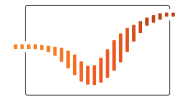
THE CHALLENGE

As a trusted integrator in the energy sector, Indexum built its reputation on technical excellence. However, the company faced a major operational bottleneck: every new project meant starting practically from scratch, as each client requirement was completely different.

Engineers spent countless hours rewriting control logic, rebuilding screens, and debugging variations of the same code for different clients. Whenever a client requested

a modification, it required diving back into the code, interrupting other tasks, and risking project delays.

The team was stuck in a cycle of repetitive work rather than focusing on the high-value engineering that truly sets the company apart. This manual coding trap put pressure on deadlines, increased the financial risk of unexpected engineering effort, and limited Indexum's ability to take on more work without increasing headcount merely to match the workload.



THE SOLUTION

Seeking to overcome the limitations of traditional SCADA systems, Indexum evaluated several options on the market. The Zenon Software Platform offered the reliability needed for demanding industrial projects, combined with a design approach based on parameterization.

Engineers now build advanced solutions without complex programming: changes are made using parameters rather than by rewriting code. This enables the seamless integration of critical power sector protocols, such as IEC 61850 for substations and IEC 104, without third-party gateways or vulnerable scripts, and keeps systems interoperable and independent of field device brands.

Using Smart Object Templates, Indexum established an internal library of proven elements, from control logic to visual screens, so new projects no longer start from zero. Standardized criteria make communication between engineers more efficient, while the platform retains flexibility to adapt to each client's specific needs, including strict cybersecurity and network regulations.

THE PARTNERSHIP WITH COPA-DATA

The impact was evident from the first major project: new projects are created 40% faster, engineering that previously took five weeks is completed in three, and project margins have increased between 10% and 15%.

Building on this foundation as a COPA-DATA Gold Partner, Indexum has gained the agility and technological capability to bid on power grid modernization and automation projects with a clear competitive advantage, and to enter new markets without needing to grow headcount to match the workload.

"Thanks to Zenon, we have evolved to tackle increasingly complex projects, ranging from the modernization and expansion of substations to the development of SCADA platforms for entire electrical utility concessions and renewable energy projects."



Indexum is a Peruvian engineering company and COPA-DATA Gold Partner specializing in automation and SCADA solutions for the energy sector, including substation integration and power grid modernization projects.

- ▶ New projects created 40% faster, reducing typical engineering time from five weeks to three.
- ▶ Over 200 engineering hours saved on an average medium-sized project, redirected toward network digitalization, client training, and new solutions.
- ▶ 30% fewer post-sales support tickets, with project margins up 8 to 12%.
- ▶ COPA-DATA Partner since*: 2018
- ▶ Industries served: Energy, Mining
- ▶ Partner Contact Details:
Calle Amador Reyna No. 339, Office No. 601B – San Isidro, Lima – Peru. <https://indexum.com/>