



Government

Delivering **digital services** citizens can rely on

Municipality of São Leopoldo

The municipality of São Leopoldo takes citizen services to the next level by upgrading its IT, backed by a new Lenovo data center infrastructure powered by Intel® Xeon® Scalable processors.



Powered by up to 4th Gen Intel® Xeon® Scalable processors

Lenovo

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Who is the Municipality of São Leopoldo?

São Leopoldo is the oldest metropolitan region in the state of Rio Grande do Sul, Brazil. Founded in 1824 by German immigrants, today São Leopoldo is a major hub for industry and technology.

In the municipality, 19 secretariats work together to deliver local government, health, education, housing, transport, and other vital public services to São Leopoldo's 240,000 inhabitants.



PREFEITURA DE SÃO LEOPOLDO

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The Challenge

The municipality of São Leopoldo is committed to continuously improving services for those who call the city home, and recognized that online services would be a powerful way to improve accessibility and convenience for residents. However, an aging IT infrastructure stood in the way of the digital transformation goal. The municipality struggled with performance issues for back-office applications and databases, as well as disaster recovery.

Maricler Sobral, IT Coordinator at the Municipality of São Leopoldo, confirms: “Our previous environment was outdated, with legacy technologies that could not support the addition of new digital services. As a result, most municipal services were largely paper based. We looked for a new platform to enable residents to access information and services online.”

Modernizing IT

Following a public tender, the municipality of São Leopoldo engaged Athenas Datacenter—a local systems integrator with 24 years of experience—to refresh its data center infrastructure with state-of-the-art Lenovo systems.

With support from Lenovo, Athenas Datacenter deployed four Lenovo ThinkSystem SR630 V2 servers, powered by Intel® Xeon® Scalable processors optimized for demanding data center workloads, and one Lenovo ThinkSystem DM5100F all-NVMe flash storage system, connected by Lenovo ThinkSystem DB610S SAN switches.

The Athenas Datacenter and Lenovo teams also provided extensive instruction and training to the municipality's IT team.

Hardware

Lenovo ThinkSystem SR630 V2 Rack Server powered by Intel® Xeon® Scalable processors
Lenovo ThinkSystem DM5100F SAN Flash Storage Array
Lenovo ThinkSystem DB610S Gen 6 FC SAN Switch

Software

VMware vSphere

Services

Lenovo Hardware Installation Services
Lenovo Warranty Upgrade



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“Seamless knowledge-transfer from Athenas Datacenter and Lenovo helped us get to grips with the new solutions very quickly, enabling us to get the best performance out of our Lenovo infrastructure.”

Maricler Sobral

IT Coordinator, Municipality of São Leopoldo

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Results

With modern Lenovo and Intel® technology underpinning its back-office applications and databases, the municipality of São Leopoldo has seen a huge increase in compute and storage performance, accelerating key processes and improving the experience for municipality staff.

Backup times have also improved, now running five-times faster than before on average. One database backup window went from 30 hours to just one hour, slashing both the municipality's recovery time objective (RTO) and recovery point objective (RPO), and reducing the risk of service disruption.¹

Crucially, the new Lenovo infrastructure will support the ongoing digitalization of municipal services.

Maricler Sobral comments: "We are moving more and more of our services online, dramatically reducing paperwork and removing the need for citizens to present documentation in person at city hall."



5x reduction in backup times on average



Faster response times for key back-office applications



Solid foundation for digital transformation

¹ Data provided by the Municipality of São Leopoldo

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“Backed by Lenovo technology, we are transforming our citizen services for the digital age.”

Maricler Sobral

IT Coordinator, Municipality of São Leopoldo

Why **Lenovo**?

In addition to meeting all technical requirements, the Lenovo and Athenas Datacenter proposal delivered the best business case, offering the greatest value for money for the municipality of São Leopoldo.

The municipality's IT team was also impressed with the experience of the joint project team, giving them confidence that Lenovo and Athenas Datacenter would deliver a smooth deployment.





Partner perspective: Athenas Datacenter

“The strong commitment and positive attitude of the municipality’s IT team helped to make this project such a success.”

Paulo Martins

Technical Director, Athenas Datacenter

ATHENAS
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How do you take citizen services to the next level?

Better serving those who call São Leopoldo home with Lenovo and Intel® technology.

Explore Lenovo ThinkSystem solutions



Powered by up to 4th Gen Intel® Xeon® Scalable processors