

Silent power in alpine mobility

In alpine regions, electric mobility is about reliability. About infrastructure that performs quietly in the background, under extreme conditions, and during moments of peak demand. Leitner Energy operates at the intersection of charging infrastructure and renewable energy, supporting tourism regions, hotels, ski resorts and major sporting events across the Alps. From fixed installations to mobile charging solutions, the company designs systems that respond intelligently to limited grid capacity, harsh weather, and fluctuating usage patterns. As CEO of Leitner Energy, Ivan Passler oversees this balancing act every day. Looking back at years of practical experience in alpine environments, he puts it plainly: "Charging infrastructure doesn't need to be loud or visible. It needs to be reliable, even when conditions are at their toughest."

Ivan, could you briefly introduce yourself and Leitner Energy?

"My name is Ivan Passler and I am the CEO of Leitner Energy, based in Italy. We operate in the energy sector, specifically as a Charge Point Operator for EV charging infrastructure. In parallel, we are active in renewable energy, designing and delivering photovoltaic systems combined with energy storage and full energy management solutions. For us, electric mobility is not a standalone topic; it is part of a broader energy ecosystem."

How did the collaboration between Leitner Energy and Alfen begin?

"The collaboration started through a partner of ours in Germany who was already

working with Alfen. Based on that experience, we decided to test Alfen charging stations in Italy, in our own region. We wanted to see how they would perform in real, practical environments before making any long-term decisions."

What convinced you to continue working with Alfen after those tests?

"The key factors were robustness and reliability. We operate in alpine regions, where conditions are far from ideal. We have low temperatures, wind, snow, and highly fluctuating demand. Charging infrastructure must work under all of these conditions. After testing the stations in practice, it became clear that Alfen was a strong partner for us."



Built to Move What Matters



“Reliability is the most important one. The charging stations simply have to work. Beyond that, technical support is crucial.”

What are the most important requirements for charging infrastructure in alpine regions?

“Reliability is the most important one. The charging stations simply have to work. Beyond that, technical support is crucial. If there is an issue, we need a partner we can talk to directly and resolve it quickly. The third element is flexibility, both in terms of hardware and communication protocols.”

What do you mean by flexibility in this context?

“Flexibility means that the charging stations can communicate with different systems and protocols. OCPP is essential for us, but also the ability to integrate with building management systems and energy

management platforms. Especially during event preparation or peak periods, load management plays a critical role, and the infrastructure needs to support that.”

You mentioned technical support as a key factor. How does that work in practice with Alfen?

“We work closely with Alfen’s Italian team. We have a small group of direct contacts we can call, and they respond very quickly. This direct line is extremely valuable for us. In alpine regions, problems cannot wait — you need immediate answers and practical solutions.”

Leitner Energy is also involved in major sporting events. What role does charging



Built to Move What Matters

infrastructure play there?

"We act as a mobility partner for several large events, including major ski competitions. During these events, the demand for charging infrastructure increases significantly, but only for a short period of time. It would not make sense to install permanent charging stations that are only used a few days per year."

How do you deal with these temporary peaks in demand?

"We provide mobile charging infrastructure specifically for events. We install the chargers shortly before the event, operate them during the high-demand period, and then remove them afterwards. This allows us to respond flexibly without unnecessary long-term investments."

What are the technical challenges of mobile charging solutions at events?

"Every event is different. You never have the same installation twice. That means monitoring becomes even more important than with fixed installations. You need full visibility of the system at all times. In addition, you work with a limited power supply provided by the event, so energy balancing and load management are essential."

How does energy management help in

these situations?

"Charging infrastructure is one of the few energy consumers that can be regulated. Unlike kitchens or heating systems, charging does not have to happen at a specific moment. It can be shifted to times when overall energy demand is lower. This flexibility allows us to manage peak loads without overloading the grid."

Does this also apply to hotels and ski resorts?

"Absolutely. In many hotels or ski areas, charging infrastructure is connected to existing electrical installations. The charging stations are not the most critical energy consumers, but they are among the most flexible ones. With proper load management, charging can take place at night or during low-demand periods, without impacting other operations."

Alpine regions are very touristic. How does that influence your approach?

"Tourism plays a major role in our region. Guests expect charging infrastructure to be available where they stay, whether that is at hotels, ski resorts or parking areas. Often these installations are outdoors, so the equipment must withstand low temperatures, snow, wind and weather exposure."



“Electric mobility is the most efficient drivetrain technology available today. From a technical perspective, it makes sense to move in this direction.”

What are some practical considerations when installing chargers outdoors?

“Simple things like snow clearance, access routes and parking layout are extremely important. You have to plan where the snow will be stored, make sure it does not block or damage the charging stations, and ensure vehicles can always access them. These aspects need to be considered early in the planning phase.”

How do you help customers make the right decisions in this planning phase?

“Consulting is a big part of our work. We share our experience from many different installations. Sometimes customers prefer cheaper or simpler solutions, but those often do not work well in the long run. Our role is to help them understand what works in real environments, not just on paper.”

How do you see the future of electric mobility in alpine regions?

“Electric mobility is the most efficient drivetrain technology available today. From a technical perspective, it makes sense to move in this direction. The challenge is not whether it works, but how fast the transition happens.”

Do you feel the transition is happening fast enough?

“Honestly, we expected it to move faster. But

it is a market, and both vehicles and infrastructure need to develop together. Our task is to provide reliable, professional systems so that the charging experience becomes better and more intuitive for users.”

How important is user experience in this transition?

“It is crucial. If the charging experience is smooth and reliable, people stop worrying about range or availability. The question of whether the next car will be electric or not becomes much less relevant.”

Looking ahead, how do you see mobility evolving more broadly?

“I believe we will see fewer privately owned cars and more shared and autonomous systems. This will reduce the total number of vehicles and make mobility more efficient, especially in sensitive regions like the Alps. For that future to work, charging infrastructure needs to be reliable, intelligent and well integrated.”

What role does Leitner Energy want to play in that future?

“Our role is to provide the infrastructure that allows the system to function. Quietly, reliably, and in the background. We focus on efficiency, intelligent energy use and solutions that truly fit the needs of our customers and regions.”

