

# Tec graduate uses garbage to develop waste-to-energy facility!



Salomón Ashkenazi, a recent graduate of **Engineering for Sustainable Development** from the [Tec's Santa Fe campus](#), founded [NISA Energy](#) to achieve a more sustainable world and position Mexico as a leader in **renewable energy** projects.

Since its creation, this company has focused on **developing energy projects and solutions**, aiming to **reduce the carbon footprint** and solve our country's **waste problem**.

Today, **NISA Energía** has a **thermal recovery plant** that uses **municipal solid waste**, one of the **first facilities in Mexico** to **produce electricity and thermal energy from waste**, processing more than **100 tons per day**.

*"What I aim to do with **NISA Energy** is to **become a developer of infrastructure and energy projects in Mexico and Latin America**," he said.*



/> width="900" loading="lazy">

## The path toward NISA Energy

After graduating from high school in **2018**, Salomón took **six months off before starting his degree**. During that time, **he started to envision the NISA Energy of today**.

Following a professor's suggestion, **he began researching waste-to-energy production** and the potential **development of a project** in Mexico.

*"We reached out to **many government officials** from **many municipalities** in the State of Mexico, Querétaro, Guanajuato, and León."*

*"Most **people** told us it was **definitely feasible in Mexico**," he said.*

Later, **when studying for his degree**, Salomón had the opportunity to advise a family member on the **installation of solar panels** in their business, and **NISA Energy started to develop** and grow over time.

*"I realized that **I had the structure and the knowledge**. As I learned certain things, **more opportunities started to come up** to continue doing **solar PV projects** at the same time as the waste-to-energy project," Salomón explained.*

*"What I aim to do with **NISA Energy** is to become a developer of **infrastructure and energy projects** in Mexico and Latin America," he said.*



According to the recent graduate, **his real opportunity** came when **some people from Guanajuato showed interest in his proposal of a power plant for thermal energy recovery from waste.**

*“We partnered up with them and developed **our first electric and thermal energy facility using waste incineration.**”*

Salomón added that **part of NISA Energy’s vision** is to position itself as a **Mexican energy project company** that will **stand out** among the **foreign companies leading the energy sector** in Mexico.

*“There are **few Mexican companies** that have been able to achieve large-scale development in the sector.”*

*“Our vision **is to produce energy and develop large-scale projects for the end customer, where we manage all the development, operate the energy facilities, and beat the drum for Mexico,**”* he said.



/> width="900" loading="lazy">

**One step closer to reducing the carbon footprint**

One of NISA Energy's **main goals** is to **guide Mexican companies towards a more sustainable approach** through **low-cost, environmentally friendly energy solutions**, said Salomón.

*"Unfortunately, **there are few business owners in Mexico** who are aware of their company's **energy consumption** or **perform an efficient analysis** of it."*

*"Many times, **they believe that more investment is needed**, but in reality, **the returns on investment are very good** and have **economic, fiscal, and sustainable benefits**."*

Furthermore, the graduate emphasizes that there is currently a **great need to address the energy issue** in the world and **develop more sustainable projects**.

*"**Decarbonization of the sector** is a **very complex goal**, but if we achieve it then we're going to have a **more sustainable world**."*

*"There is also a **big global energy problem**. **Energy demand is not keeping pace with production**; we're consuming more and more than is produced worldwide. Mexico doesn't produce the energy needed **to supply the country**," he said.*

*"I think that if I hadn't chosen this degree, or to do it here, I wouldn't have made it."*

### **Preparation is key**

Finally, Salomón said that **the key to consolidating NISA Energy** was **preparation, research, and perseverance**.

*"I was that student who **would stay five minutes longer** and ask the professor for literature on **this technology** because I was interested," he said.*

He highlighted the **tools that the Tec21 Model** provided him with to **build his own company**.

*"The Tec **provided me with many tools** on topics such as **project structuring and development** that were of **great value** and where I learned to **develop the technical, financial, and commercial aspects of a project**."*

*"I think that if I hadn't chosen this degree, or to do it here, I wouldn't have made it," he concluded.*

On **June 28**, Salomón **graduated from the Tec's Santa Fe campus with a degree in [Engineering for Sustainable Development](#)**. For his work with **NISA Energy**, he received the **"Enterprising Student"** award from the **School of Engineering and Sciences**.



/> width="900" loading="lazy">

**YOU'LL ALSO WANT TO READ:**

<https://conecta.tec.mx/en/news/national/entrepreneurs/attacked-dog-girl-young-woman-has-now-created-animal-shelter>