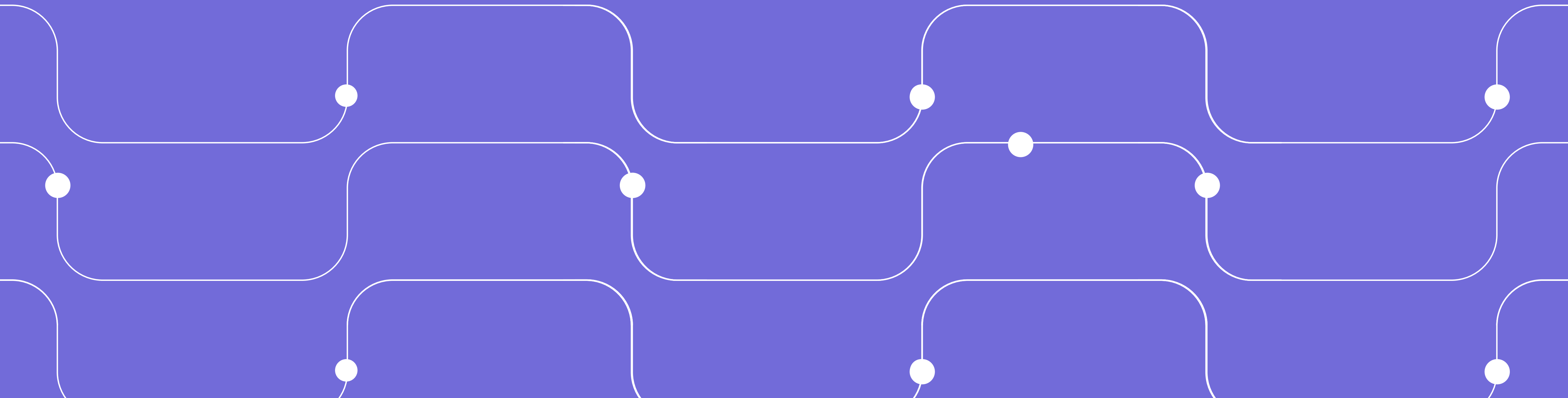


Doubling down our PV project development bandwidth through software



01 The Client

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04 Why RatedPower?



01 *The Client*

Celsia is an energy company with business lines in generation, transmission, distribution and energy commercialization.

The company is part of Argos Group, with a very strong presence in Colombia. Celsia is the 4th company in terms of energy commercialization at national level and in expansion to Central American countries.

Lennin Piñeiro, our interviewee, is part of the development area in the engineering group that carries out the pre-construction development phase of solar farms. **They manage projects from 5 MW upwards** carrying out from the feasibility studies to construction contracting for the projects.

Celsia has **2 business lines** for utility-scale solar plants:

- **Selling energy to the grid:** by connecting to the national energy transmission system, the energy is sold depending on the market price.
- **Direct sale to a customer:** dedicated for large energy consumers where the farm supplies as much energy as possible depending on the consumption. Approximately they may supply from 10% to 30% depending on the customer.

02 *The Challenge*

RatedPower came at a good time as Celsia had restructured the department and allowed them to outsource design processes. Before this, they did not use anything remotely similar to RatedPower. Nevertheless, when they started to outsource processes they came across many types of projects where the topography was very flat and RatedPower **allowed them to speed up the time dedicated to those projects** where the constraints did not present major problems.

RatedPower therefore allowed Celsia to make a practical design with quality information to take it to the next step for construction while reducing the number of hours engineering teams spent.

Overall, RatedPower has helped the team and especially our interviewee. Piñeiro is the solar energy specialist of the group, so all the revisions have always fallen on him as well as the support and concerns of his colleagues.

However, when RatedPower was introduced, and everyone was trained to elaborate the designs, the new tool allowed them to validate and see whether they were designing was correct and whether it could be used for the next construction stage. At that moment Lennin was relieved of the burden and the projects were redistributed among the team.

03 Results

With the introduction of RatedPower to Celsia's processes, their work routine has changed. Among the advantages of introducing the software, the development team points out both **the speed in the creation of designs and the new developments RatedPower has created to adapt to their needs** allowing them to optimize the connection to the grid as well as the progress done in topographic issues.

Now, the time they used to spend in designing and reviewing designs is focused on doing more projects. If Lennin used to be in charge of 2 projects, now he is in charge of 5, doubling Celsia's capacity.

On another note, from the moment they fully implemented RatedPower, they have started using it for all their designs.

They manage to **optimize the design according to the limited space** they normally have in their projects.

Celsia Success Story

We started with the first two with independent contracting, but from then on, after acquiring RatedPower, the rest (8 projects) have been designed by RatedPower. Even taking into account the new higher power outputs, Celsia has gone from using one and a half hectares for each mega to a 1 to 1 ratio.”

Lennin Piñeiro Rivera
Development Engineer at Celsia



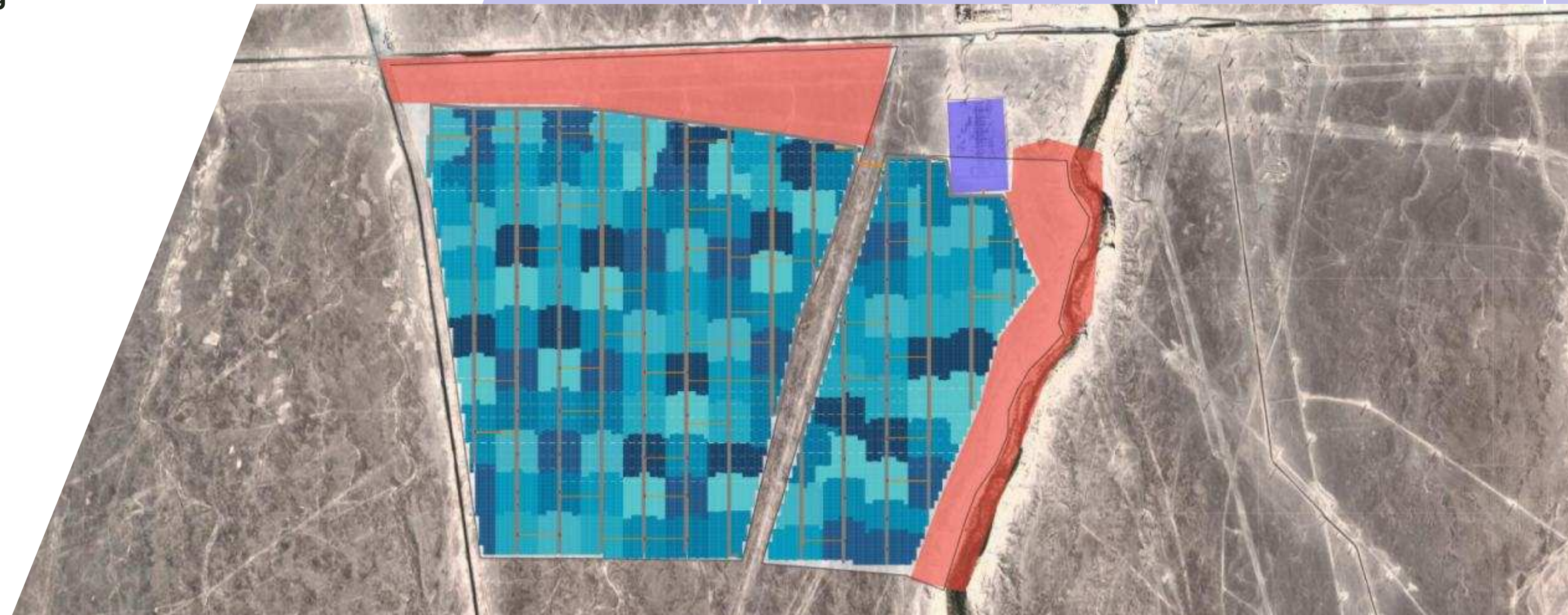
04 *Why RatedPower?*

As described by the Celsia team, **RatedPower is becoming a very specialised company in the design process of a solar plant**, and surely the software will soon be able to provide even more detailed engineering. Specially, due to their speed at introducing new software features.

RatedPower has the continuous challenge of innovation because technology is constantly advancing. However, they are characterized by always being very empathetic with the client.

The software company listens to their clients' needs and innovates the product according to feedback that Celsia has provided for developments such as the latest substation or topography features.

Additionally, the customer success team is **“very fast to respond and have helped us with all concerns”**.





Start accelerating your PV plant design and engineering today

Speed up the design and engineering process of large-scale solar PV projects to boost teams' efficiency, increase accuracy, and reduce the construction costs of PV plants. [Learn more about RatedPower.](#)

