



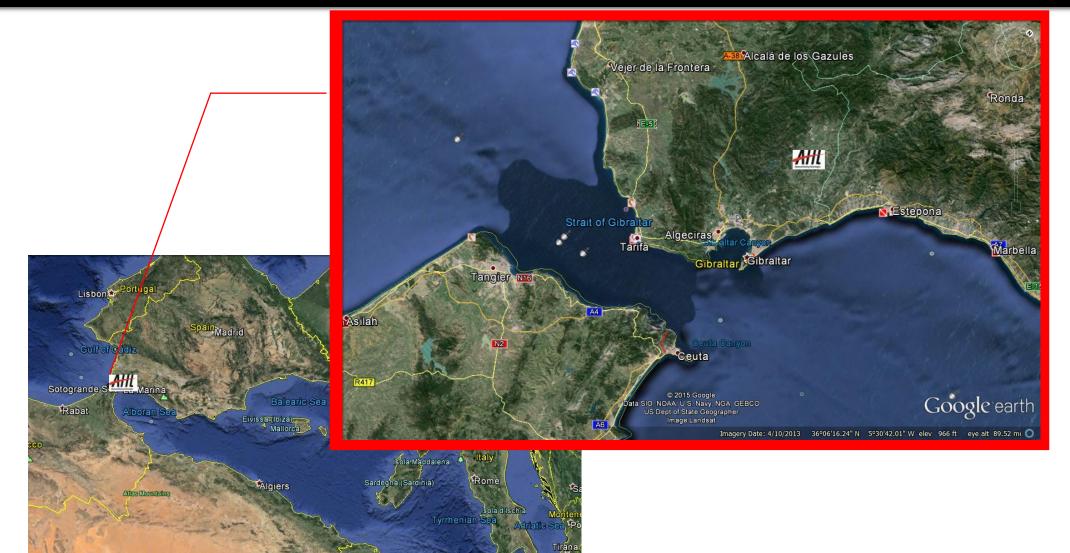


Green Technology. Creative People. Diverse Products

Sotogrande, St. Roque, Cadiz, Spain











The Neighborhood





Sotogrande is the largest privately owned residential development in Andalusia. Originally a gated community, it is located in the municipality of San Roque, Cádiz, Spain, southern Europe and is composed of a 20 square kilometres (8 sq mi) stretch from the Mediterranean Sea 25 km east of Gibraltar, back into the foothills of Sierra Almenara, providing contrasting views of sea, hills, cork forests and green fairways, including the Rock of Gibraltar and Morocco.

Some of the richest and most powerful families of Spain have summer homes in Sotogrande.





The Property







Total Property Size: 10,000sqm Total Building Size: 5,000sqm Total Heated Area: ~1000sqm This private holiday home was designed by Jesus Herrera Garcia, a local architect to accommodate a wealthy family with 6 children. Jesus designed 6 living structures for each one of the children and in the middle, an arced structure to serve as a family space with a huge 50m dinning table, a huge salon, a second floor poker room, wine cellar, bowling alley, shooting range, sauna, Turkish Haamam, Disco and other attractions...





The Challenge

- *
- AHL

- √ 15m High Ceiling
- √ 80% Glass Walls
- **✓ Total available power of 80KW**

- ✓ Multiple structures
- √ 5cm thick flooring
- ✓ Only 5 working days



These are just a taste of the handful of challenges which we had to deal with in such a big and complex project.

YET NON of these challenges beat our AHT System!!!

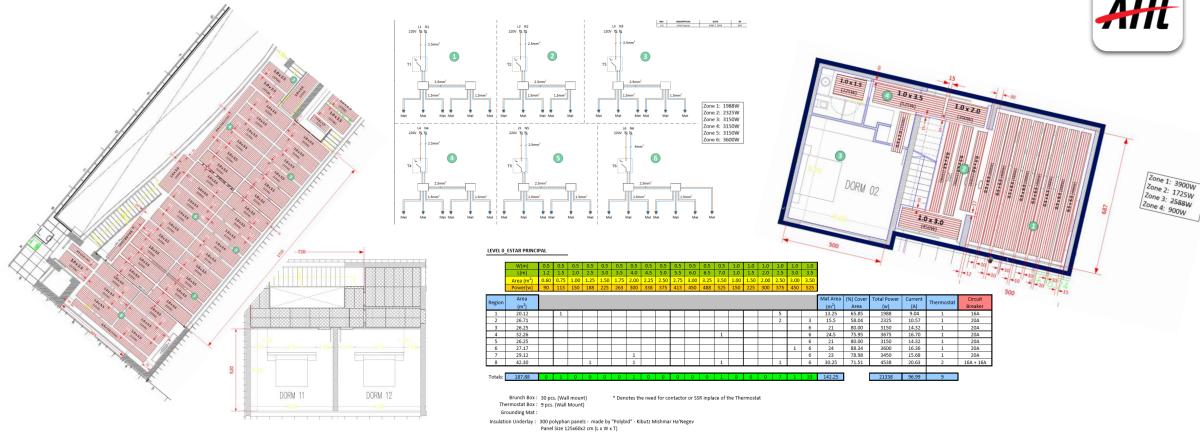




The Design







In order to overcome the many challenges ahead, the heating system has been designed to perfection with less than 5% deviation real vs. planned!!

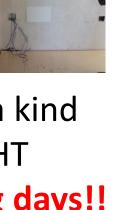




Installation





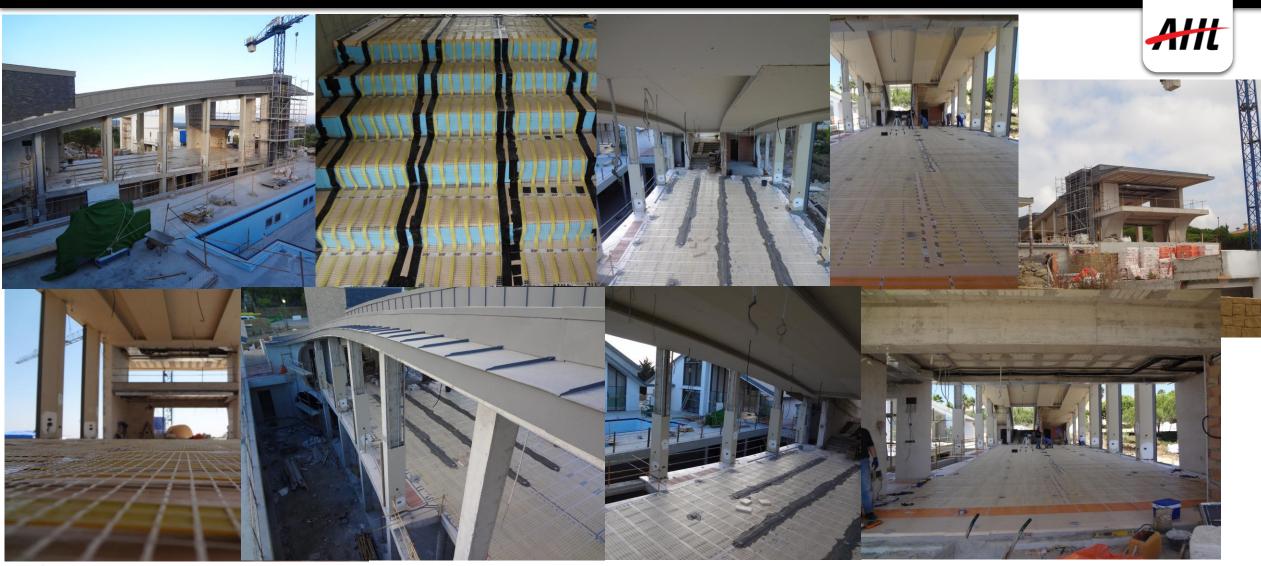


Thanks to the flawless design, careful preparation and one of a kind AHT product, the entire installation was done by 2 qualified AHT workers and 3 Spanish speaking electritians in ONLY 5 working days!!



The Arc!









The Living Structures









Testing & Safety





In order to insure ribbon safety, cement was casted immediately after mats were put into place, not before each mat was tested and recorded for resistance, current and insulation resistance!!





The Team





Thanks for the hard work!!!



