

CASE: JMS - Villa in Iguassu Falls KNX Project

This project was a challenge in several aspects, at first our client hired just the project and before he could have contracted the products and the implementation he got COVID-19 and was hospitalized in UCI for 17 days between life and death. As it was right in the pandemic beginning, everybody still had a huge insecurity about the future. The constructions were stopped, the fear and the insecurity about how life would be after COVID-19 was the most frequent feeling. Our customer called us and said he wanted to hire the other services and products for his new house that was being built, considering that he realized that the most important things were inside home, his family. He wished to enjoy his best moments with more quality of life, safety and comfort for him and the ones he loves. KNX protocol, due to its atemporal feature and high range of usabilities, was the best solution for this client's demand, in which our personalized interface could meet his expectations for his brand new house.

LOCALIZATION

The project is located in Foz do Iguaçu, Paraná, Brazil. The touristic city is bordered by two other countries, Paraguay and Argentina, and also is known by "World's Destination", because there you can find one of seven Natural Wonders, the Iguaçu Falls, for this reason the client prioritizes safety.

THE CLIENT'S PROFILE

The client is a successful farmer and has companies in several countries, he also travels a lot for work and leisure with his family. He has already known several enterprises around the world that perform with KNX System, however he still didn't know that he could have a so complete and modern technology in his house, even being a little skeptical about automation, since he didn't have great previous experiences with that, he was willing to obtain this technology.

INTERFACE

He had several system integration requests, but didn't want to use many apps in his house, then we presented him our interface with all the features personalized, including the 2D-floor plan adapted for each room and it was designed in a unique way, consequently improving the user's experience in each room, in which there are different and exclusive icons for each control type with Logic Machine by Embedded.

With this personalization, it may be noticed that we develop the projects in a exclusive way for each user.

INTEGRATIONS

For being an atemporal protocol that offers freedom to choose and flexibility, KNX was paramount to the client's standard requirement and our personalized and integrated interface allowed us to join special settings for some gadgets such as:

Towel Warmer to dry shower towels

Electric Car Charger

Outdoor Hot Tub

Mirror Demister

Floor Heating Thermostat

RGB Pool Lights

Sound System

Air Conditioning

TVs

Voice Assistants

Ipad

Smartphones

Irrigation System

Cameras

IMAGES/ INTEGRATIONS

Towel Warmer to dry shower towels



Electric Car Charger



Outdoor Hot Tub



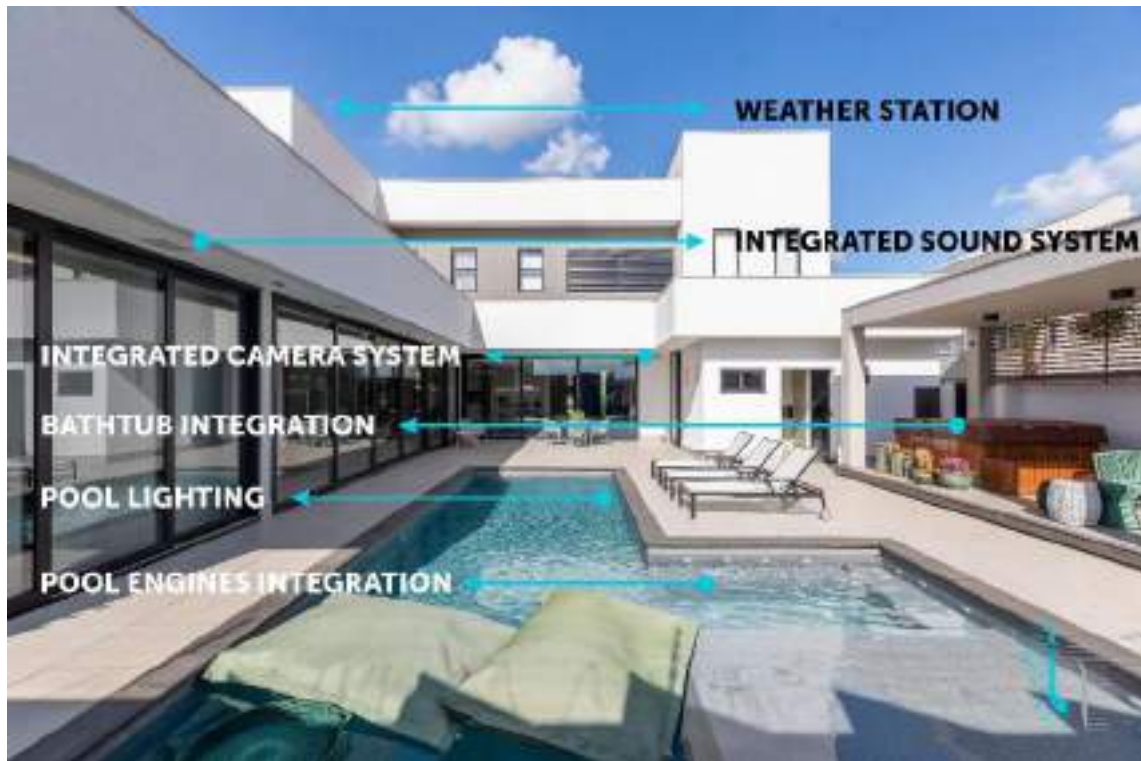
Mirror Demister



Floor Heating Thermostat



RGB Pool Lights / Sound System/ Cameras



Air Conditioning



TVs



Voice Assistants



Ipad



Smartphones Interface

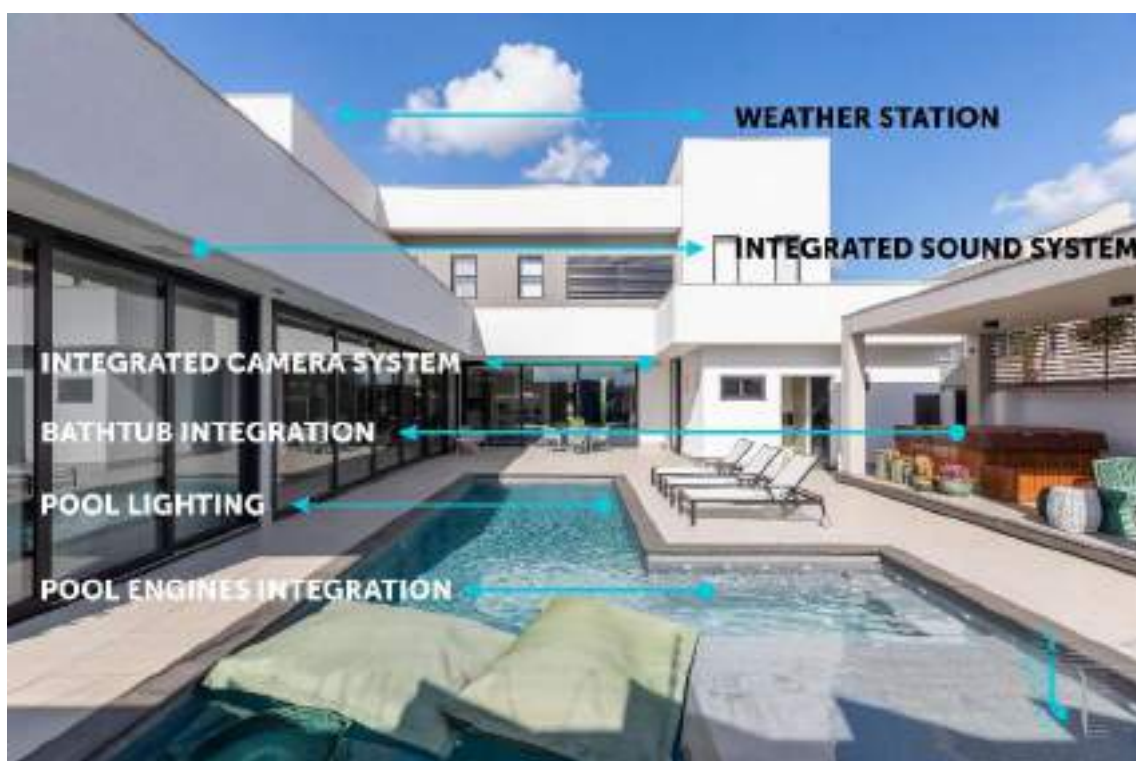




Irrigation System



Photovoltaics Inversor Dashboard



External Sensor



DEVICES/GADGETS

The system's interoperability was essential for this project since we work with several brands and manufacturers from different countries including from other continents, that gives us freedom as integrators and this same freedom benefits our clients.

On/Off Switch Plunger

Dimmable Switch

Gas Sensor

Presence Detector

Brightness Sensor

Smoke Sensor

Flood Sensor

Motion Sensor/twilight switch

Weather Station

Thermostat

Keypads

Universal Interfaces

Magnetic sensor for door and window control and Magnetic sensor for closet doors and lockers

BRANDS

ABB – Stotz-Kontatkt GmbH

EAE Technology

Eelectron SpA

MDT TEchnologia GmbH

Embedded Systems SIA

Schneider Electric Industries S.A

Steinel Vertrieb GmbH

GVS – Guangzhou Video-Star

Vivo Suisse

Mean Well Entreprises Co Ltd

Honeywell

Modbus Ip

Other proprietary technology

To integrate all the settings in an exclusive and personalized interface,

KNX solution was his choice by its flexibility and for his safety and comfort

Integrated with Embedded, EAE exclusive keypads, weather station, CO² sensor.

With more quality of life for the ones he loves.





DIMMERIZABLE LIGHTING

KEYPAD CONTROL

GAS DETECTOR



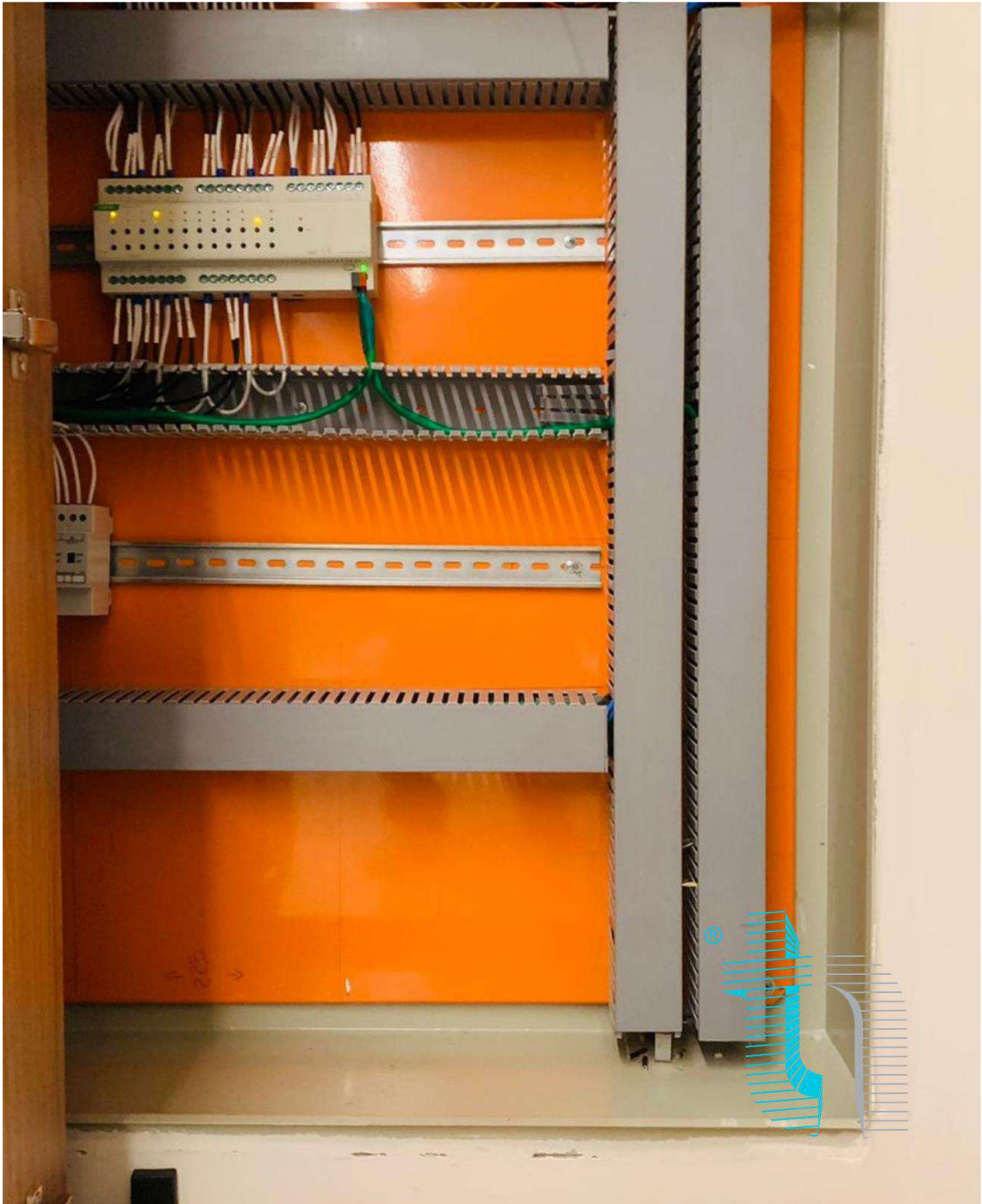
KEYPAD CONTROL

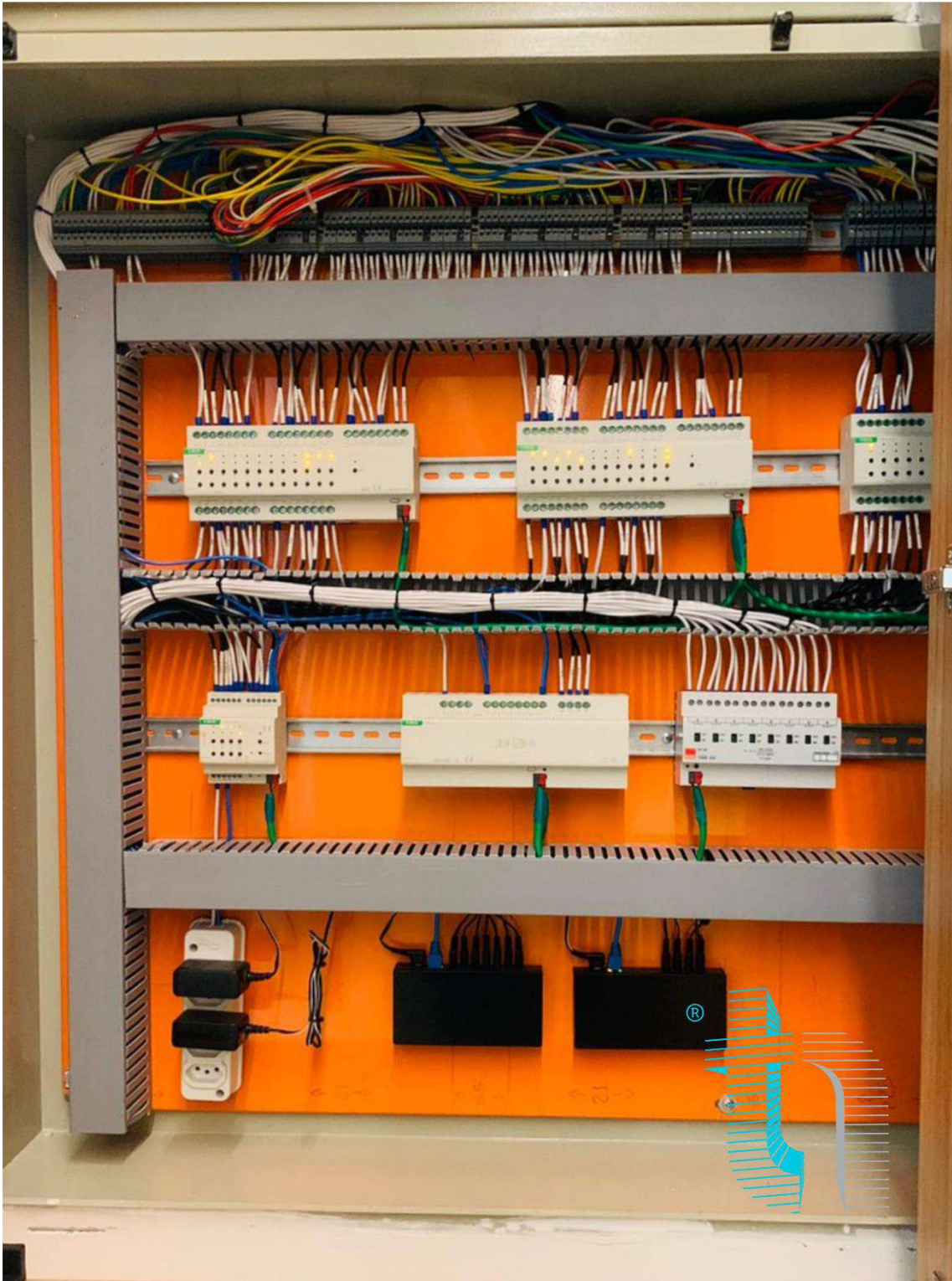
AIR QUALITY SENSOR













Youtube channel

<https://www.youtube.com/watch?v=WqvsXiOdH0k>