



german  
cooperation

DEUTSCHE ZUSAMMENARBEIT

**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH



# GEOHERMAL POTENTIAL IN CENTRAL AMERICA AND CURRENT SITUATION



A vibrant, futuristic cityscape under a bright blue sky. The scene is filled with advanced technology and modern architecture. In the foreground, a man in a black t-shirt and shorts walks a small dog on a leash along a white, curved path. To his right, a sleek, silver, aerodynamic car is parked on a reflective surface. The background features a mix of greenery, including a large, rounded, futuristic building with a glass facade, and a tall, cylindrical tower with a blue and white top section. Numerous flying cars of various shapes and sizes are scattered across the sky, some appearing to be in motion. The overall atmosphere is one of a clean, advanced, and livable future.

# FUTURE

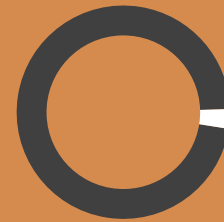


# 2030

2030

GUATEMALA

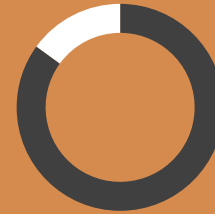
## INSTALLED GEOTHERMAL CAPACITY



**180MWe**  
**6.4MWt**

EL SALVADOR

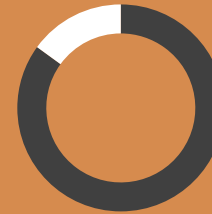
## INSTALLED GEOTHERMAL CAPACITY



**330MWe**  
**9.3MWt**

HONDURAS

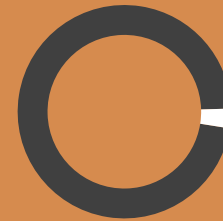
## INSTALLED GEOTHERMAL CAPACITY



**50MWe**  
**5.4MWt**

## INSTALLED GEOTHERMAL CAPACITY

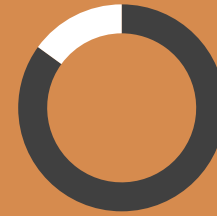
NICARAGUA



**239MWe**  
**5MWt**

## INSTALLED GEOTHERMAL CAPACITY

COSTA RICA



**323MW**  
**2.8MWt**

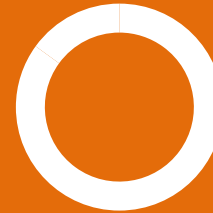


PANAMÁ



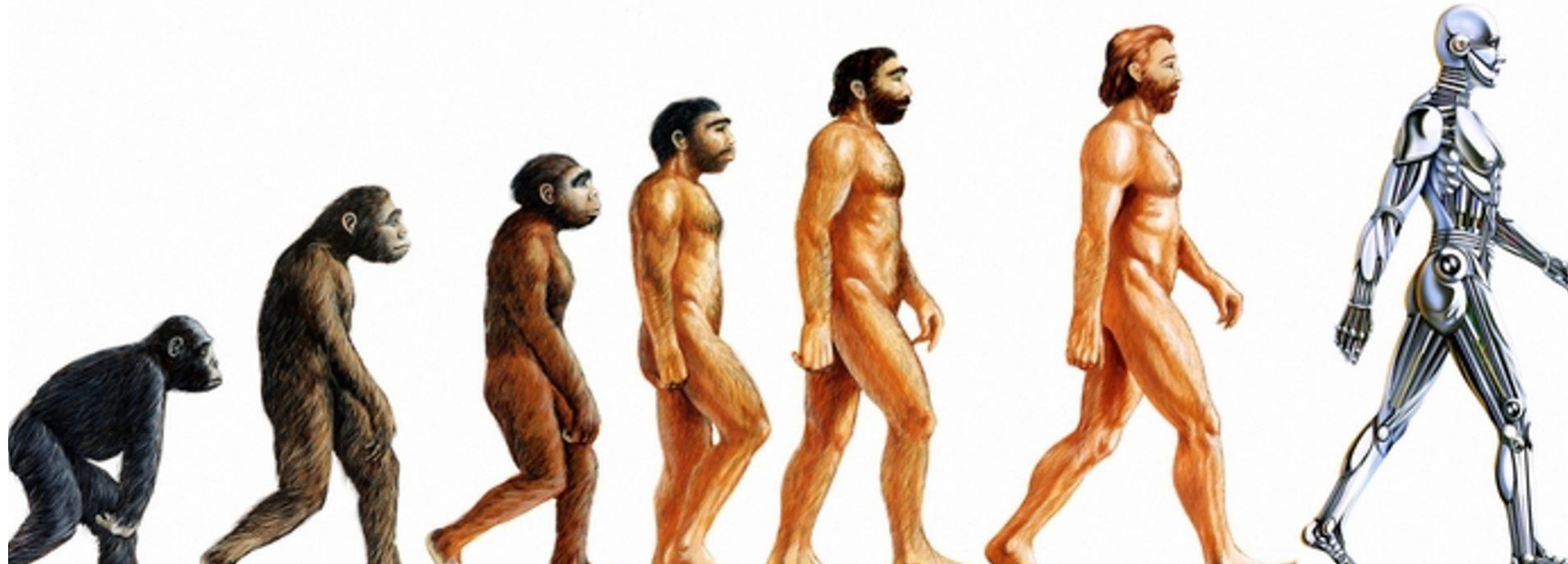
## INSTALLED GEOTHERMAL CAPACITY


# 3 MWt



Panama has its first binary plant and multiple direct uses, in industrial applications ( cement, agriculture, plastic recycling) as well as in building cooling

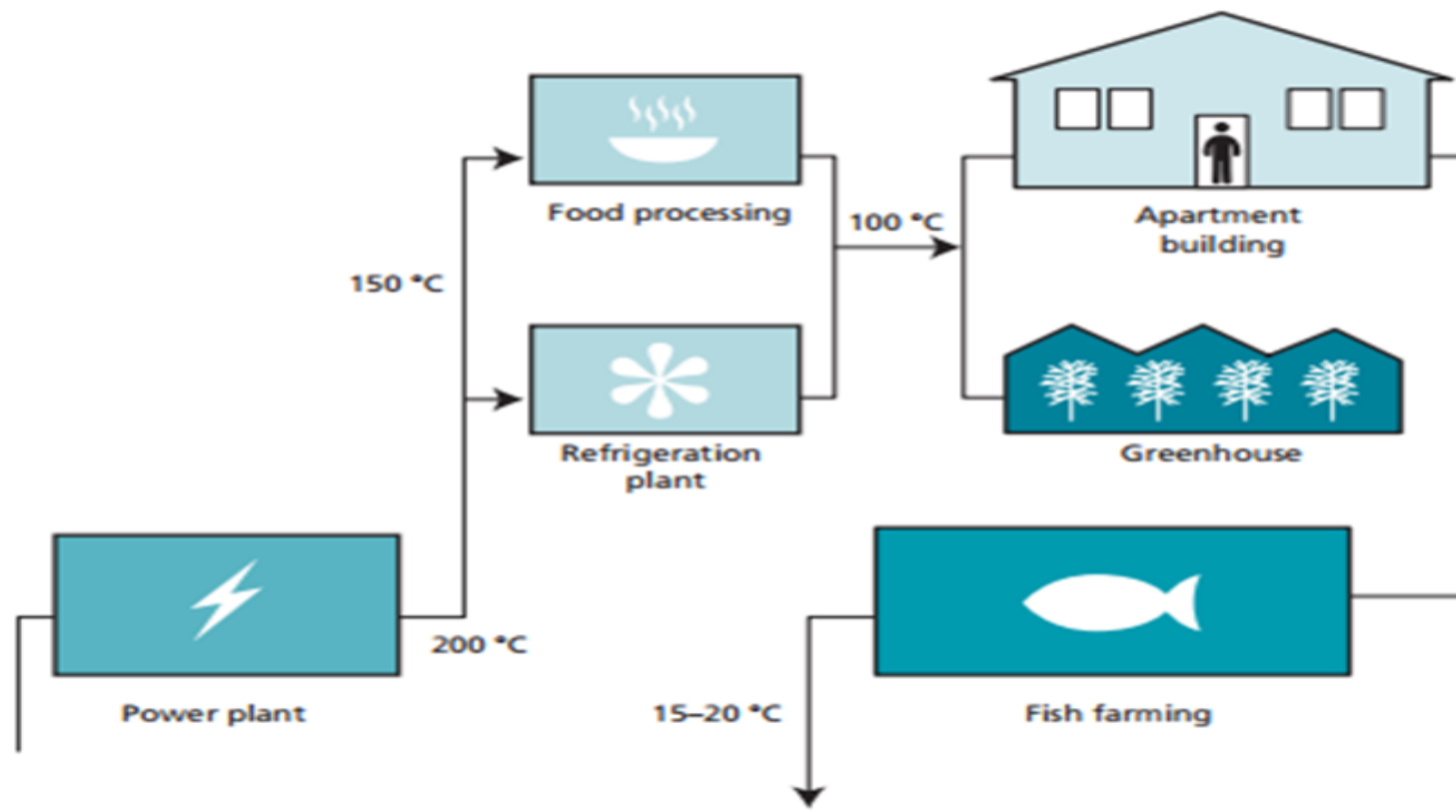
# HOW DID WE GET THERE



A close-up photograph of a hand holding a green printed circuit board (PCB). The hand is positioned at the top and right, with fingers gripping the board. The PCB is the central focus, showing various electronic components, traces, and a barcode. The background is dark, making the green of the board stand out. Overlaid on the center of the image is white text.

**One region, one  
consensus, different  
pathways in  
partnership**

# Beyond EIA: Hand in Hand with Communities: Creating Shared Economic Value – the role of direct use



Source: Geo-Heat Center, Klamath Falls, Oregon (USA). Adapted with permission.

# DO YOU REMEMBERED 2017?

---

...



49.2MWe

2.31MWt

0MWe

1.93MWt

217.4MWe

1MWt

204.4MWe

3.36MWt

154.5MWe

0

0MWe

0 MWe





WHY WE KEEP  
DOING THIS

As a federal company, GIZ provides support to the German government in achieving its objectives in the area of international cooperation, for sustainable development.

Central American Integration System  
Published by  
Deutsche Gesellschaft für  
Internationale Zusammenarbeit (GIZ) GmbH

Addresses of the company, Bonn and Eschborn, Germany

Program for the Promotion of Geothermal Energy in Central America

Agency GIZ San Salvador  
Apdo. Postal 755  
Bulevar Orden de Malta, Casa de la Cooperación Alemana, Urbanización Santa Elena, Antigua Cuscatlán,  
La Libertad, El Salvador, C.A.  
T +503 2121-5145  
F +503 2121-5101  
E [energia.ca@giz.de](mailto:energia.ca@giz.de)  
I [www.giz.de](http://www.giz.de)



[www.sica.int/energias4e](http://www.sica.int/energias4e)

Responsible  
Tanja Faller

Author(s)  
Tanja Faller  
[tanja.faller@giz.de](mailto:tanja.faller@giz.de)

Photo credits  
© GIZ/ Programa Fomento de la Geotermia en C.A.

Layout  
GIZ



[www.sica.int/sgsica](http://www.sica.int/sgsica)