

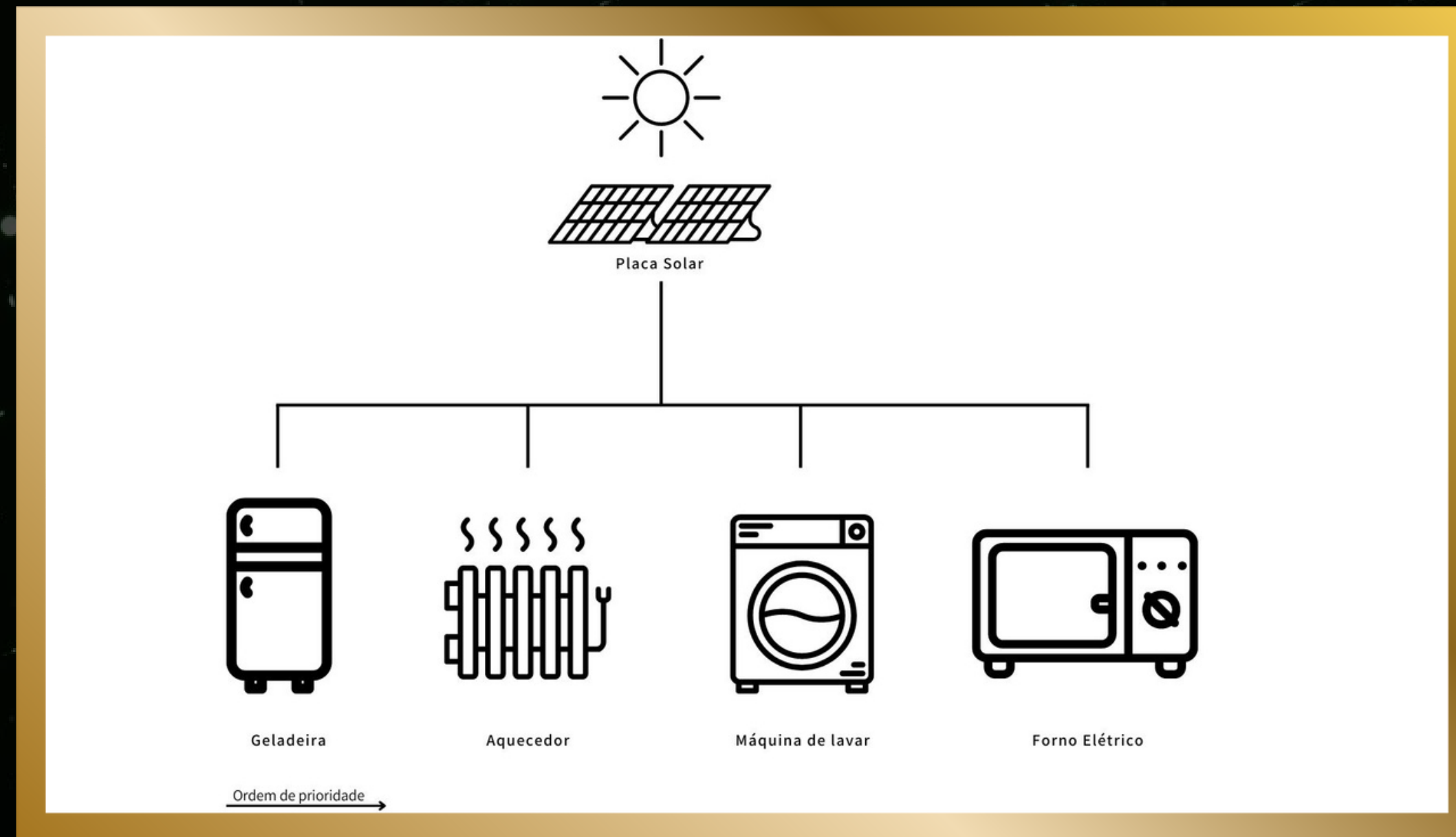


# ECOENERGIA RESIDENCIAL

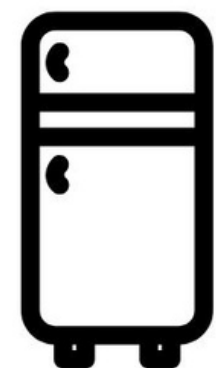
IOT PROJECT

FERNANDO FURTADO - M314866

IPB

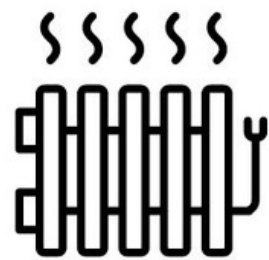


**TOPOLOGY**



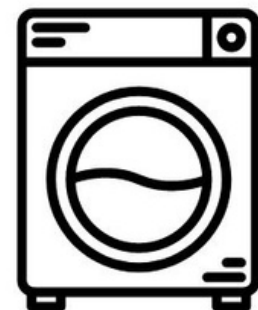
- 1 Modo 1
- 2 Modo 2
- 3 Modo 3
- 4 OFF

Geladeira



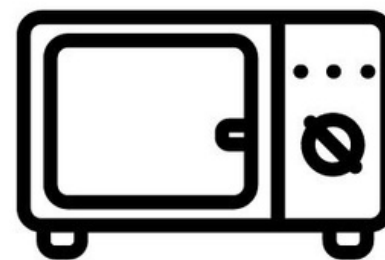
- 1 Modo 1
- 2 Modo 2
- 3 Modo 3
- 4 OFF

Aquecedor



- 1 Modo 1
- 2 Modo 2
- 3 Modo 3
- 4 OFF

Máquina de lavar

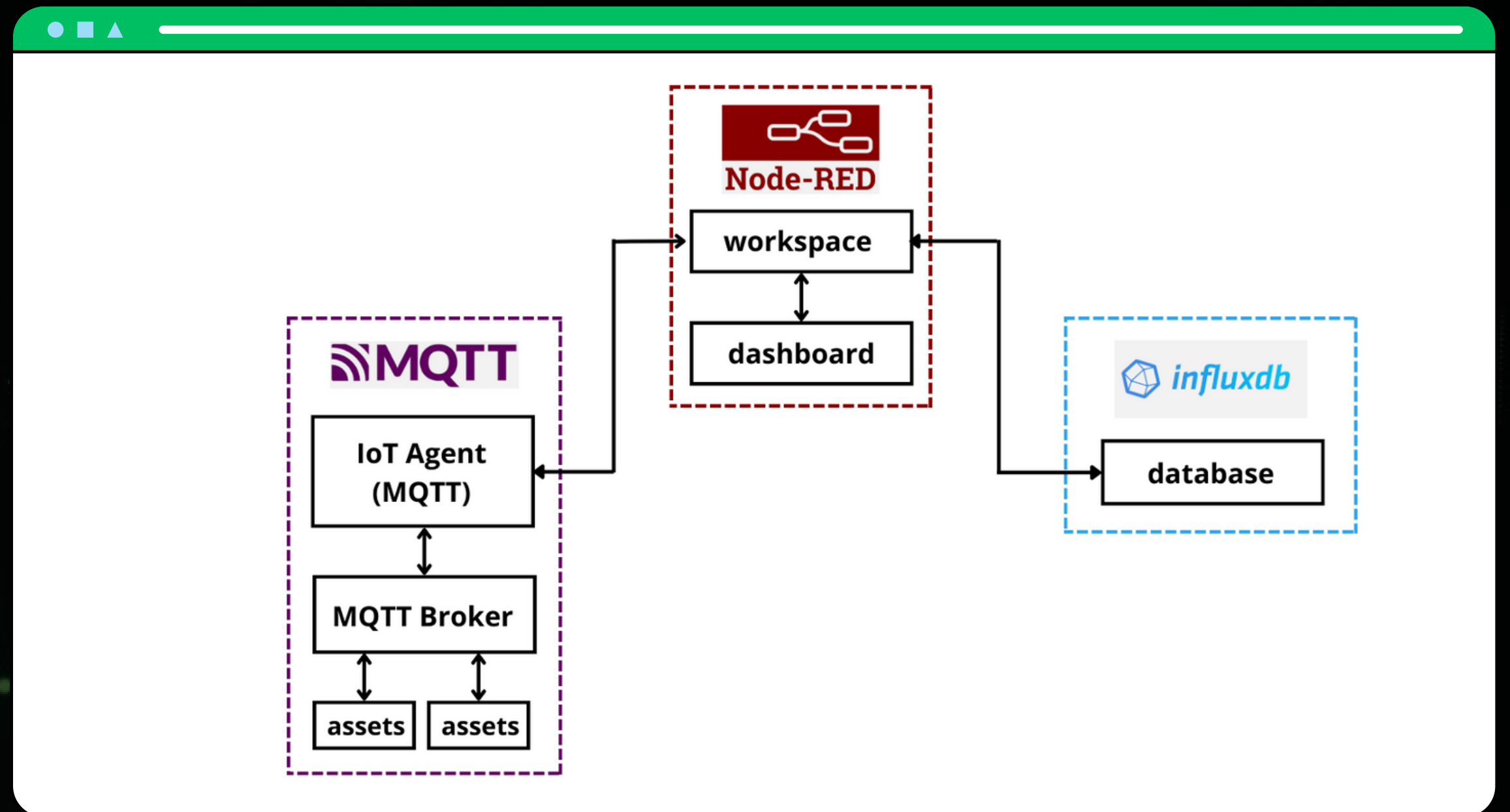


- 1 Modo 1
- 2 Modo 2
- 3 Modo 3
- 4 OFF

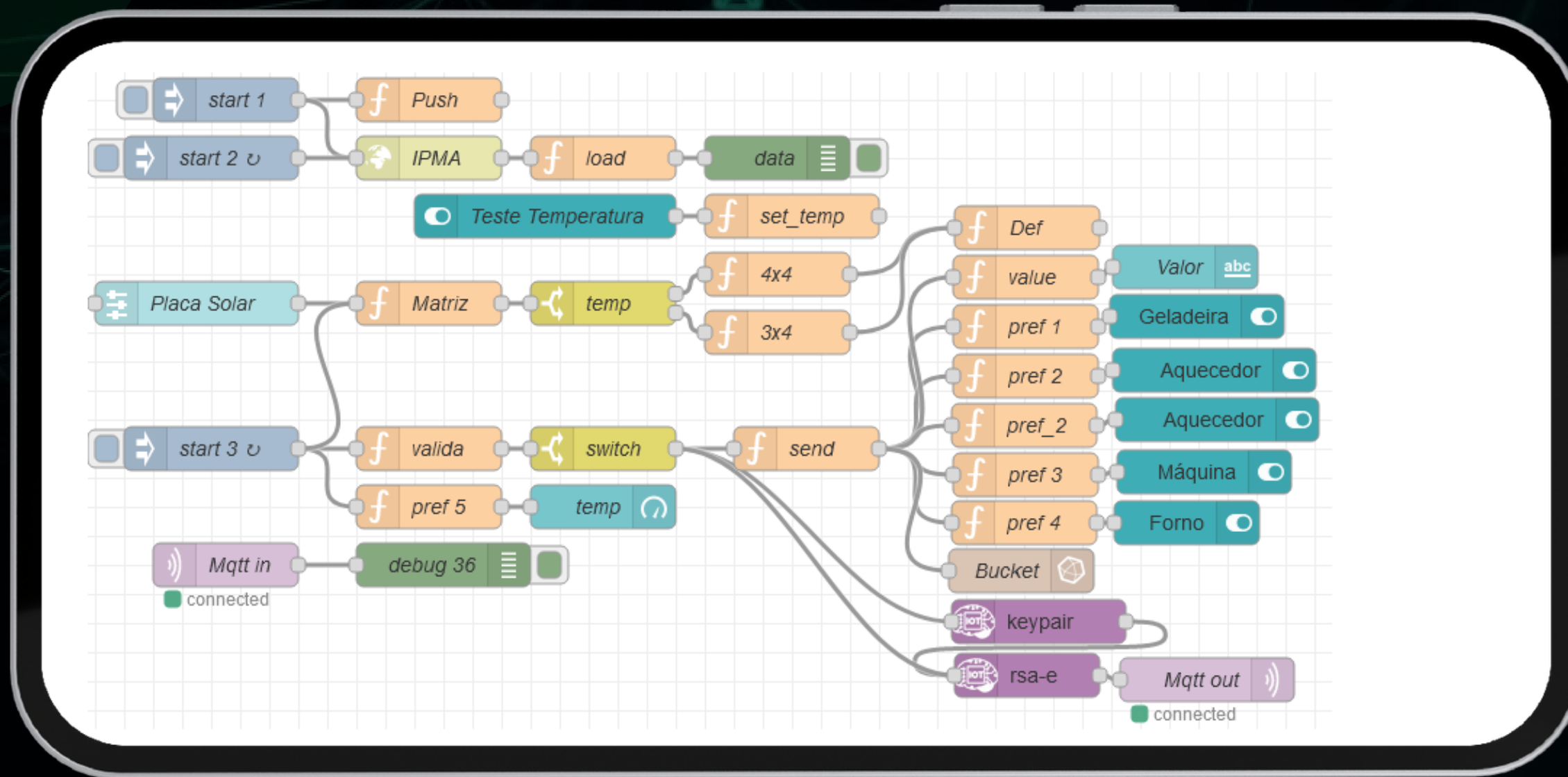
Forno Elétrico

**MODES**

# PROCESSES



PROCESS DESCRIPTIONS

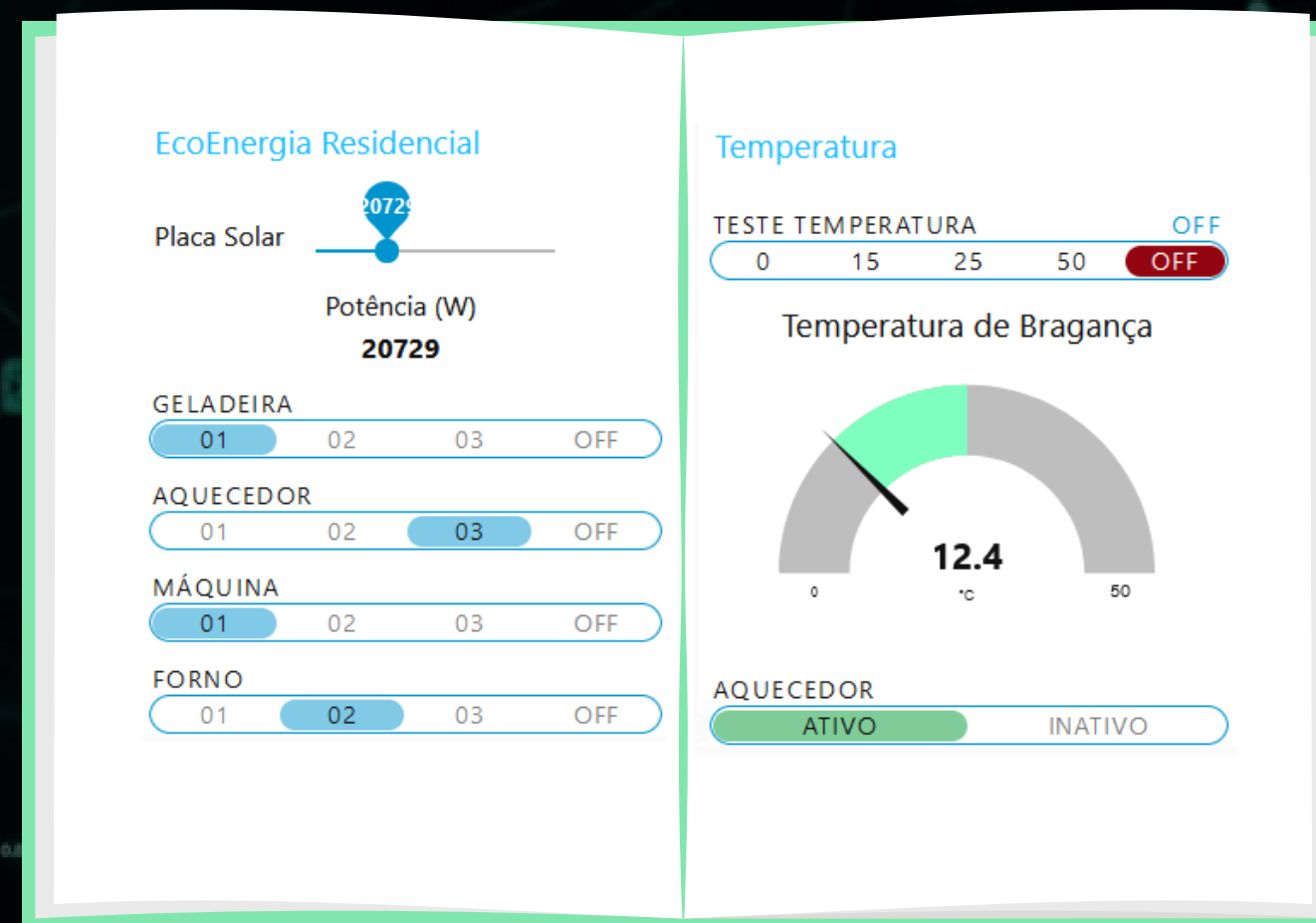


**NODE-RED**

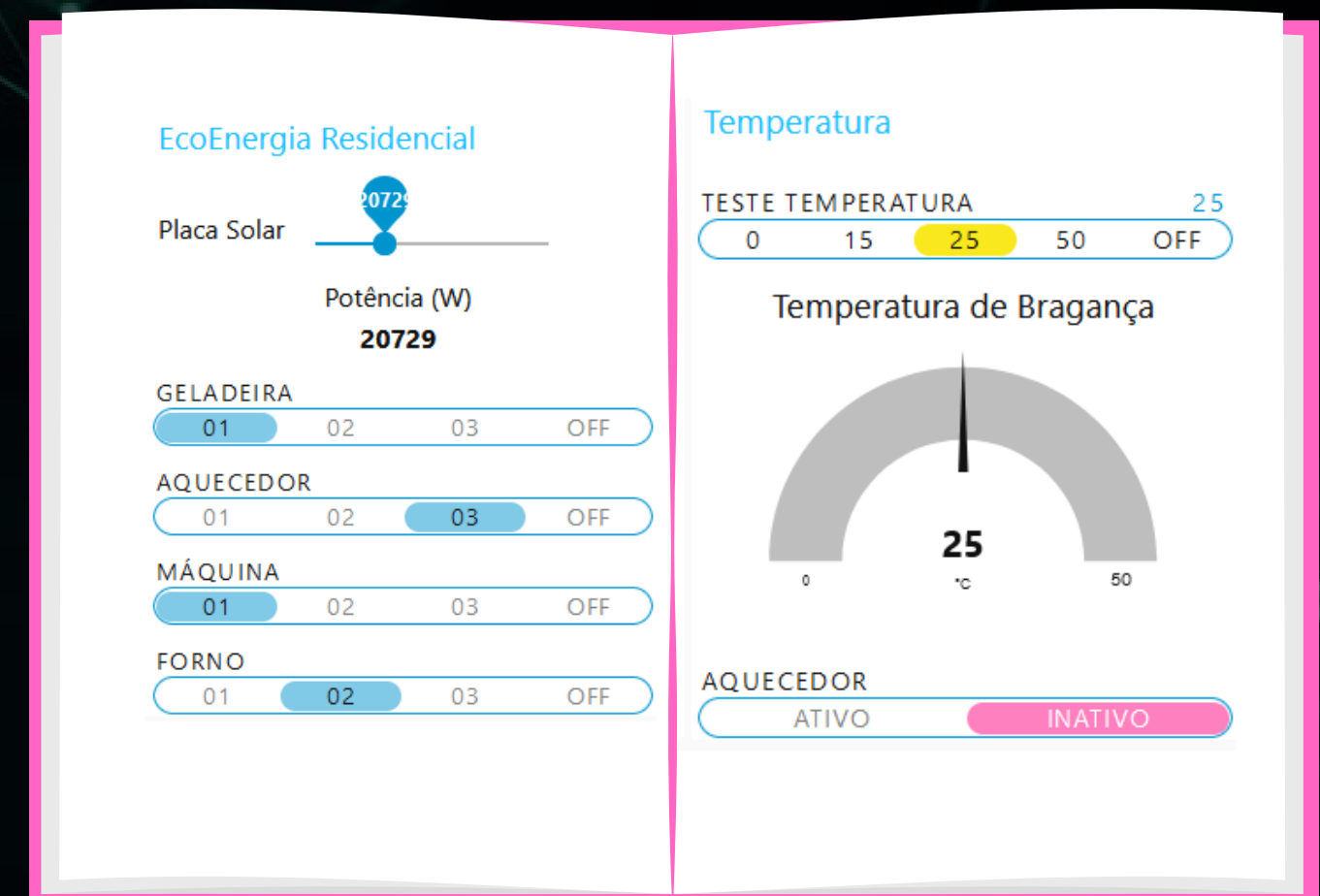
**OPERATIONS WORKSPACE**



# DASHBOARD



ACTIVATED



INACTIVATED

# INFLUXDB

_time	_value	_field	_measurement
2023-06-01 13:34:19	20.73k	potencia	Eletric-Project
2023-06-01 13:34:19	12.4	temperatura	Eletric-Project
2023-06-01 13:34:19	3	aquecedor	Eletric-Project
2023-06-01 13:34:19	2	forno	Eletric-Project
2023-06-01 13:34:19	1	geladeira	Eletric-Project
2023-06-01 13:34:19	1	maquina	Eletric-Project

ACTIVATED

_time	_value	_field	_measurement
2023-06-01 11:28:10	20.73k	potencia	Eletric-Project
2023-06-01 11:28:10	25	temperatura	Eletric-Project
2023-06-01 11:28:10	2	maquina	Eletric-Project
2023-06-01 11:28:10	1	forno	Eletric-Project
2023-06-01 11:28:10	1	geladeira	Eletric-Project
2023-06-01 11:28:10	0	aquecedor	Eletric-Project

INACTIVATED

01/06/2023, 08:30:15 node: debug 36

m314466/project : msg.payload : string[172]

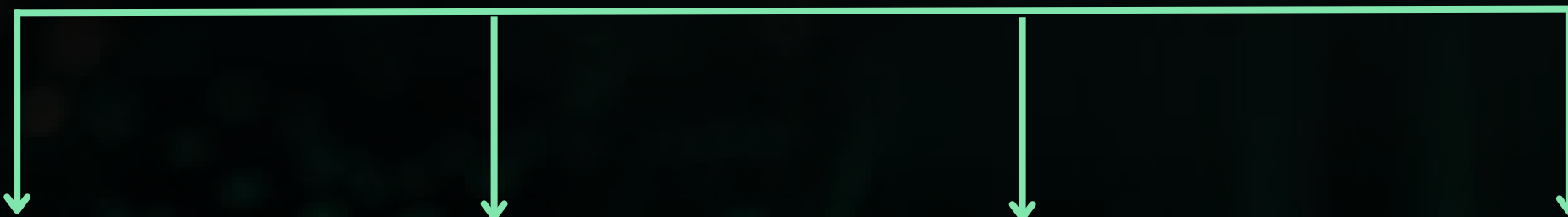
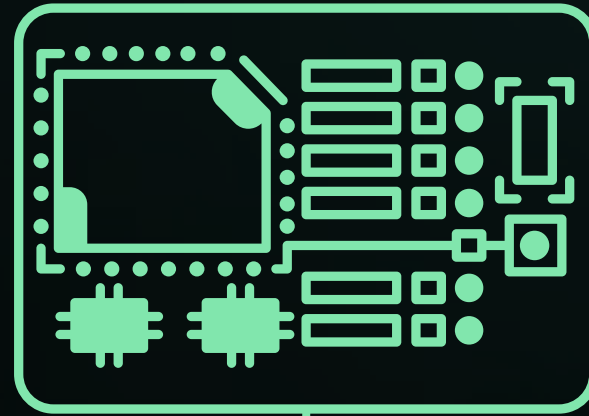
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HL9F5CeXFeziKFFScT6WVXmoASwM+DNISjTN40  
xAfI5FDPwLSy0bNe4TYeQzV3RBaFwdYtu/orjq  
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MQTT RECEIVED ENCRYPTED DATA

CRYPTO



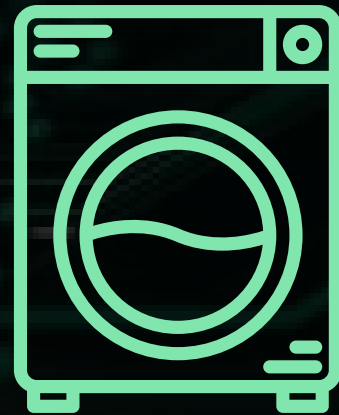
## MODULES



Geladeira



Aquecedor



Máquina de lavar



Forno Elétrico

**IMPROVEMENTS**



# THANK'S

GREAT LIFE FOR YOU!