



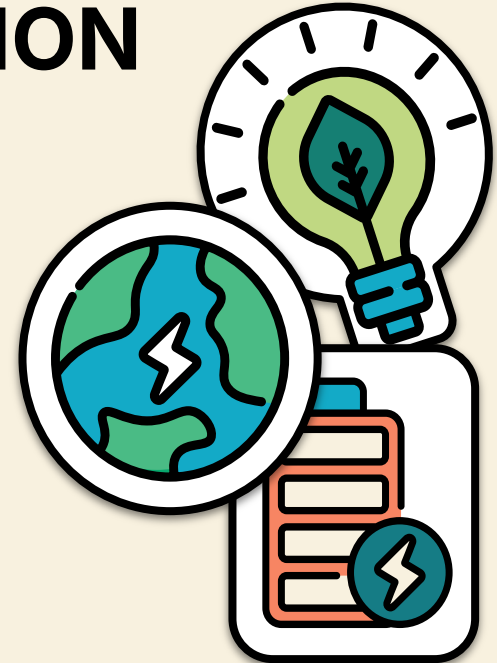
# SUSTAINABILITY STARTATHON

## Team Suria

Brunei Darussalam

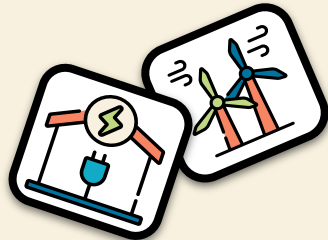
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- |                |                              |
|----------------|------------------------------|
| Arif Ibrahim   | Graduate Development Trainee |
| Tia Nor Hasnul | Universiti Brunei Darussalam |
| Fatin Abdullah | Universiti Brunei Darussalam |
| Nina Mahali    | Graduate Development Trainee |





# OUR TEAM



**Arif Ibrahim**

Graduate Development  
Trainee



**Tia Nor Hasnul**

University Postgraduate



**Fatin Abdullah**

University Postgraduate



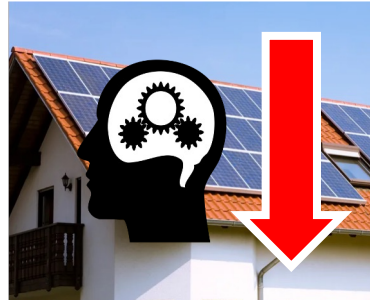
**Nina Mahali**

Graduate Development  
Trainee

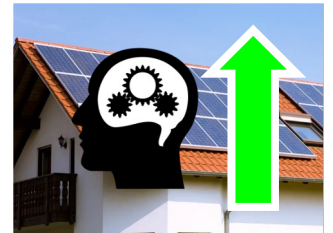


# KEY INSIGHTS AND PROBLEMS

## PROBLEMS

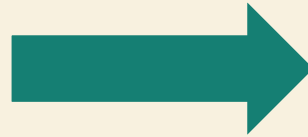


## S.M.A.R.T SOLUTIONS



# OPPORTUNITY STATEMENT

100  
MWh/year



75  
MWh/year  
by 2030



2028



2030



2035

## EcoTrack App

Establishing **energy monitoring systems** standard for residential areas by **2028**.

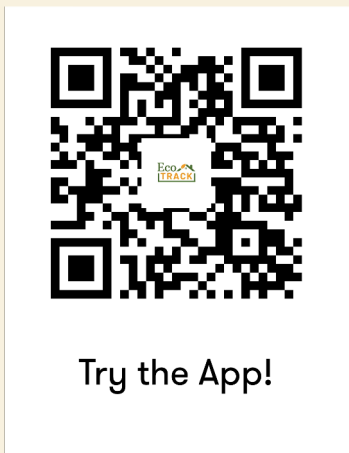
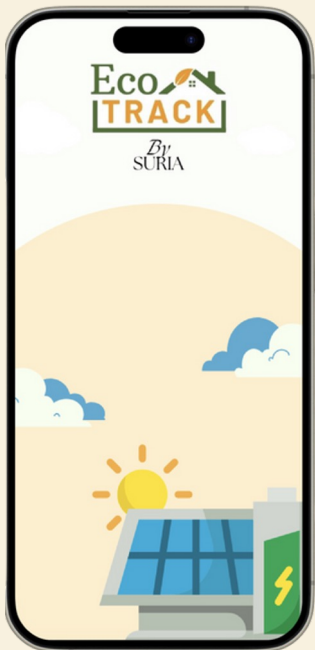
## Tukar-Akon Initiative

Replace **60% of air conditioners older than 8 years** with higher energy-efficient models by **2030**.

## Solar PV Campaign

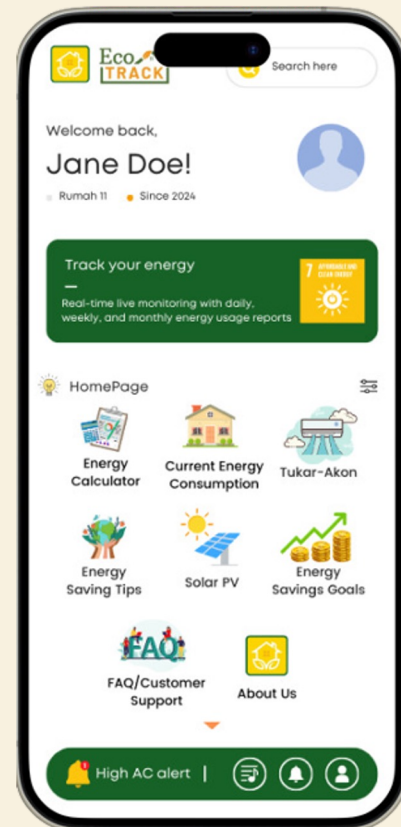
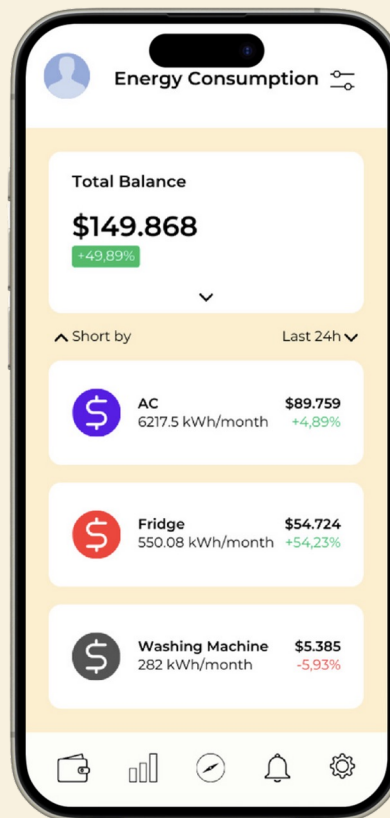
Launch a comprehensive **awareness campaign** focused on energy consumption and solar PV adoption by **2035**.

# SOFTWARE & APP DEMO

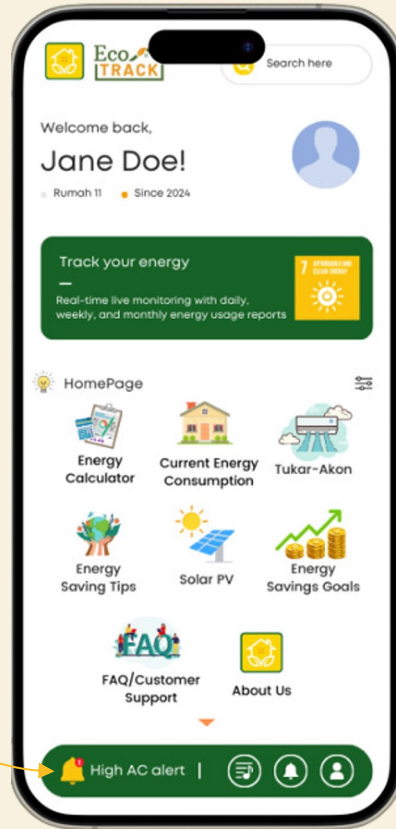


Try the App!

Link to [App Prototype](#)



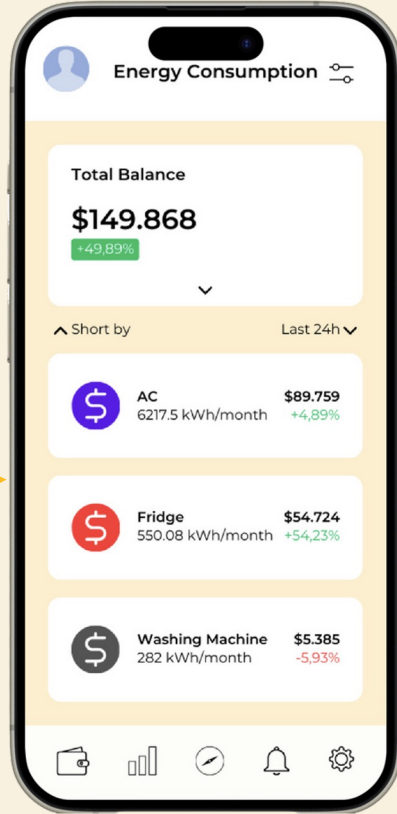
# Welcome to your Homepage



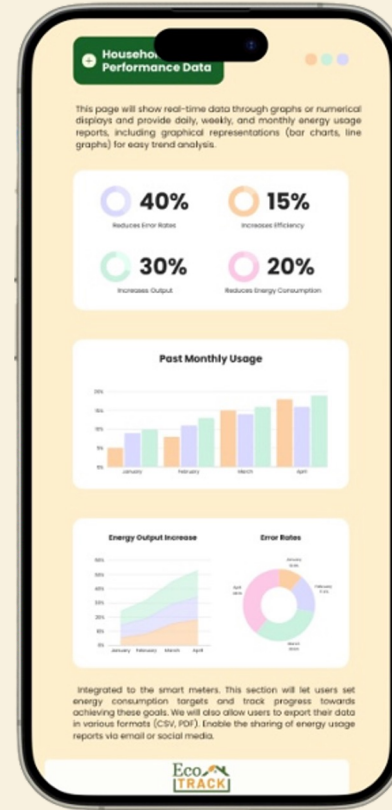
Sends alerts for  
unusual spikes in  
usage



Try the App!



Identifies real-time current energy consumption in kWh for each appliances



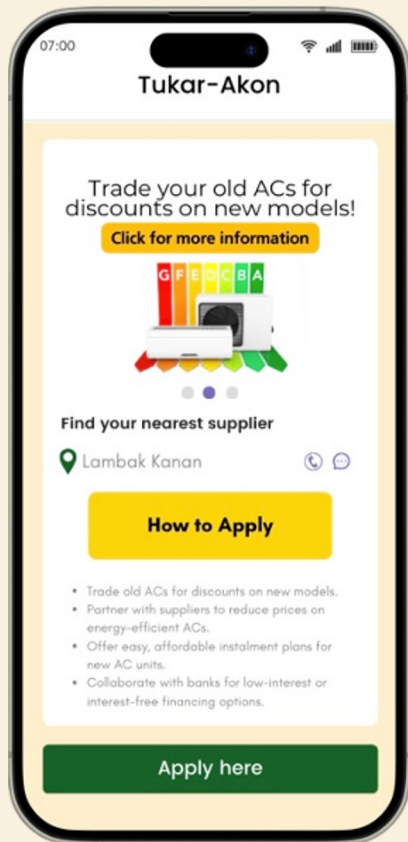
Provides daily, weekly & monthly household performance



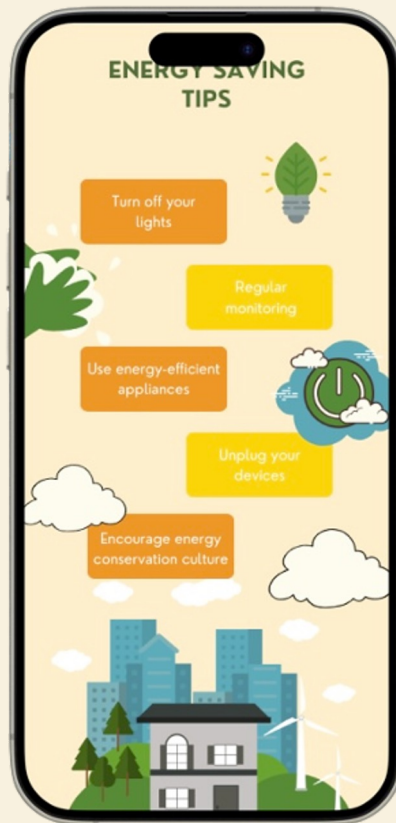
Try the App!



## Tukar-Akon initiative

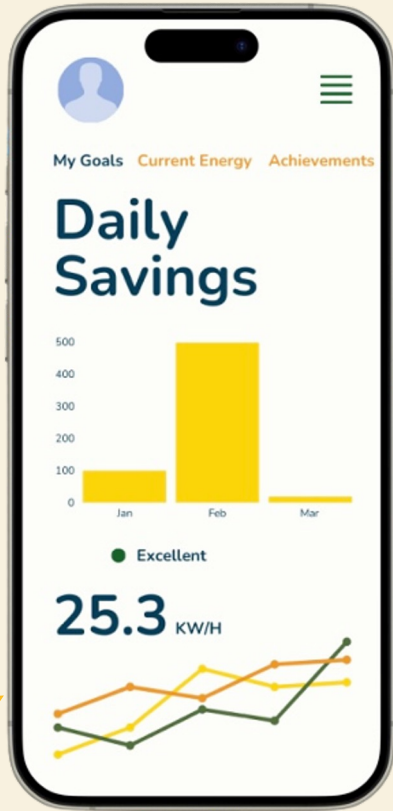


## Update energy-saving tips



Try the App!

Solar PV campaign



Shows potential savings and goals

EcoTRACK by SURIA

## FAQ

Q | You can input your questions here

And we'll answer your queries





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About Suria

AT SURIA, WE ARE PASSIONATE ABOUT EMPOWERING HOUSEHOLDS TO TAKE CONTROL OF THEIR ENERGY CONSUMPTION. WE OFFER A COMPREHENSIVE AND USER-FRIENDLY PLATFORM THAT TRACKS YOUR HOUSEHOLD'S ENERGY CONSUMPTION IN REAL TIME.

OUR APP PROVIDES DETAILED ANALYTICS, PERSONALIZED RECOMMENDATIONS, AND ALERTS TO HELP YOU OPTIMIZE YOUR ENERGY USAGE, WHETHER YOU WANT TO REDUCE YOUR ELECTRICITY BILLS, LOWER YOUR ENVIRONMENTAL IMPACT, OR SIMPLY STAY INFORMED ABOUT YOUR ENERGY CONSUMPTION, ECOTRACK IS HERE TO ASSIST YOU EVERY STEP OF THE WAY!

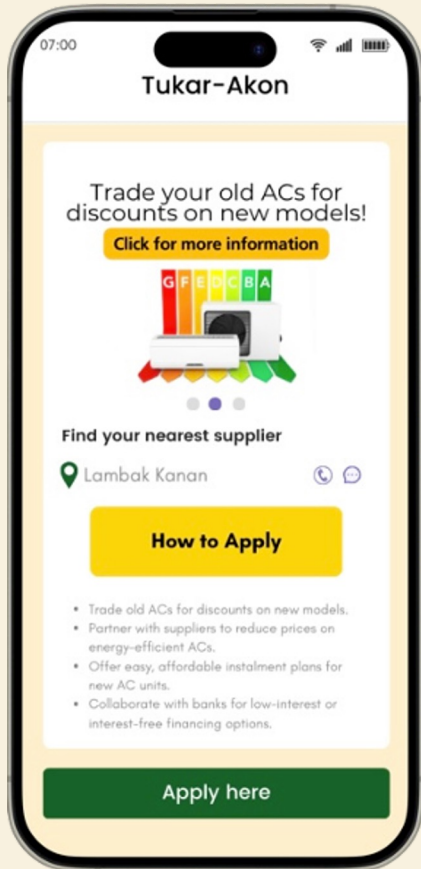
OUR TEAM

 Arif Ibrahim	 Tia Nor Hasnul	 Fatin Abdulhah	 Nina Mahali
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Try the App!

# Tukar-Akon initiative



NEWS NATIONAL

## Gov't announces new energy efficiency standards for air conditioners

*Beginning June 2022, air conditioners that do not meet energy efficiency standards cannot be imported into Brunei.*

Rasidah Hj Abu Bakar

© JULY 6, 2021



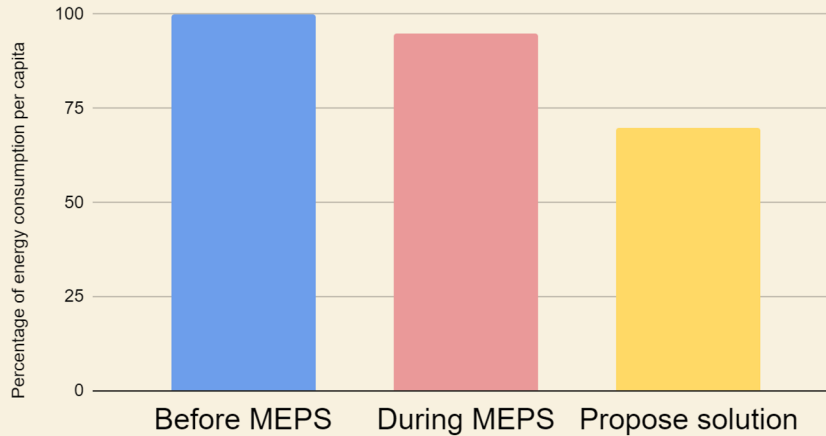
# POTENTIAL IMPACT

Items	Old AC	New AC
Initial costs (BND)	\$ 500.00	\$ 700.00
Annual energy consumption (kWh)	3000	2000
Electricity costs per kwh (BND)	\$ 0.08	\$ 0.08
Annual operating costs (BND)	\$ 240.00	\$ 160.00
Annual maintenance cost (BND)	\$ 50.00	\$ 30.00
Total annual costs (BND)	\$ 290.00	\$ 190.00
Expected Lifespan (years)	10	10
Total costs over lifespan (BND)	\$ 3,400.00	\$ 2,600.00
Cumulative savings	\$ 800.00	
Break-even point (years)	2.5	

Years	Old AC	New AC
1	\$ 500.00	\$ 700.00
2	\$ 790.00	\$ 890.00
3	\$ 1,080.00	\$ 1,080.00
4	\$ 1,370.00	\$ 1,270.00
5	\$ 1,660.00	\$ 1,460.00
6	\$ 1,950.00	\$ 1,650.00
7	\$ 2,240.00	\$ 1,840.00
8	\$ 2,530.00	\$ 2,030.00
9	\$ 2,820.00	\$ 2,220.00
10	\$ 3,110.00	\$ 2,410.00

Energy consumption per capita in %



Long-term savings

22% reduction of energy consumption per capita (\$100 per year)

# SOLAR PV CAMPAIGN

## Key Strategies

### Social Media Awareness

- Raising awareness about Solar PV

### Stakeholders Engagement

- To foster discussions, negotiations, and partnerships of Solar PV solutions

### Community Building

- Create and nurture a community that supports Solar PV adoption

# SOLAR PV CAMPAIGN

## Preparation

- Form key partnerships
- Develop campaign content
- Build community platform

## Execution

- Drive social media awareness
- Engage stakeholders
- Activate community platform

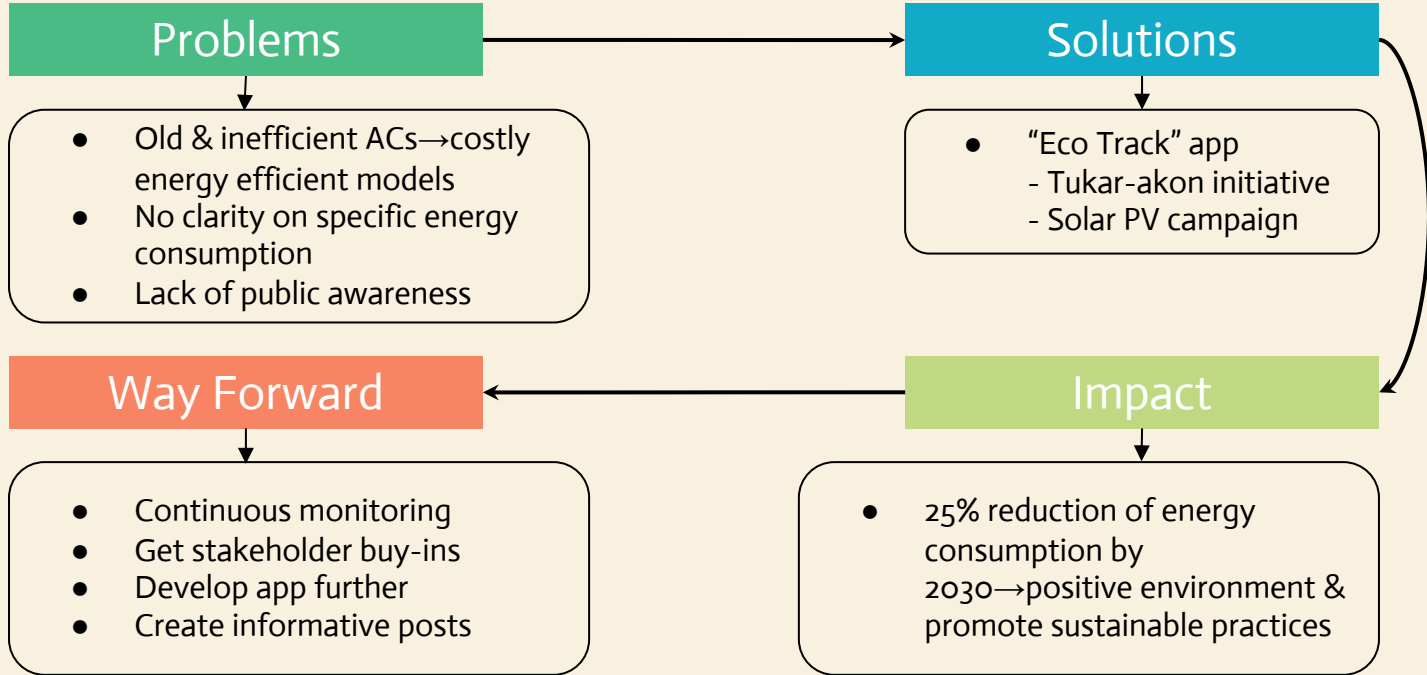
## Monitoring

- Track progress
- Optimize campaign

# SOLAR PV CAMPAIGN



# CONCLUSIONS & SUMMARY





ASEAN-CHINA-INDIA

**YOUTH LEADERSHIP  
SUMMIT 2024**



# SUSTAINABILITY STARTATHON: THANK YOU FOR LISTENING!

—  
Team Suria  
Brunei Darussalam





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