

Tetra Pak - Driving Sustainability

An overview of Used Beverage Carton Recycling
and Project CAREton

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We commit to making food safe and available, everywhere



189 billion

Tetra Pak packages
sold in 2018



56 manufacturing sites

5 Dedicated R&D units



> 175 countries

Where Tetra Pak
packages are
Available



> 25 thousand

Number of
employees
globally





The pillars of our brand and the chapters of our sustainability story

FOOD



**Employees, communities
& society at large**

Safeguarding, supporting
and developing those
whose lives we touch



PEOPLE

Safety, Quality & Availability

Protecting your products
with our processing &
packaging solutions

FUTURES



**Materials, water,
CO² & more**

Pursuing environmental
excellence along the
entire supply chain

**Innovative technologies
& smart solutions**

Understanding and
supporting our customers'
business growth ambitions



FUTURES



Drive a sustainable business



Tetra Pak's sustainability positioning

Protecting Food, Protecting People, Protecting Futures



Supporting the sustainable future of our planet and the long-term success of our customers





Sustainability in Packaging Carton has a strong starting point

What is it being made of ?

75%

Renewable sources

Average renewable content in carton packaging material today accounts for

75%. **100%** paper board now comes from **FSC™** certified an/or controlled sources



What is the full life cycle impact ?

Lower

Carbon Footprint

Research* shows that beverage cartons have a lower carbon footprint than alternative packaging

Can it be recycled ?

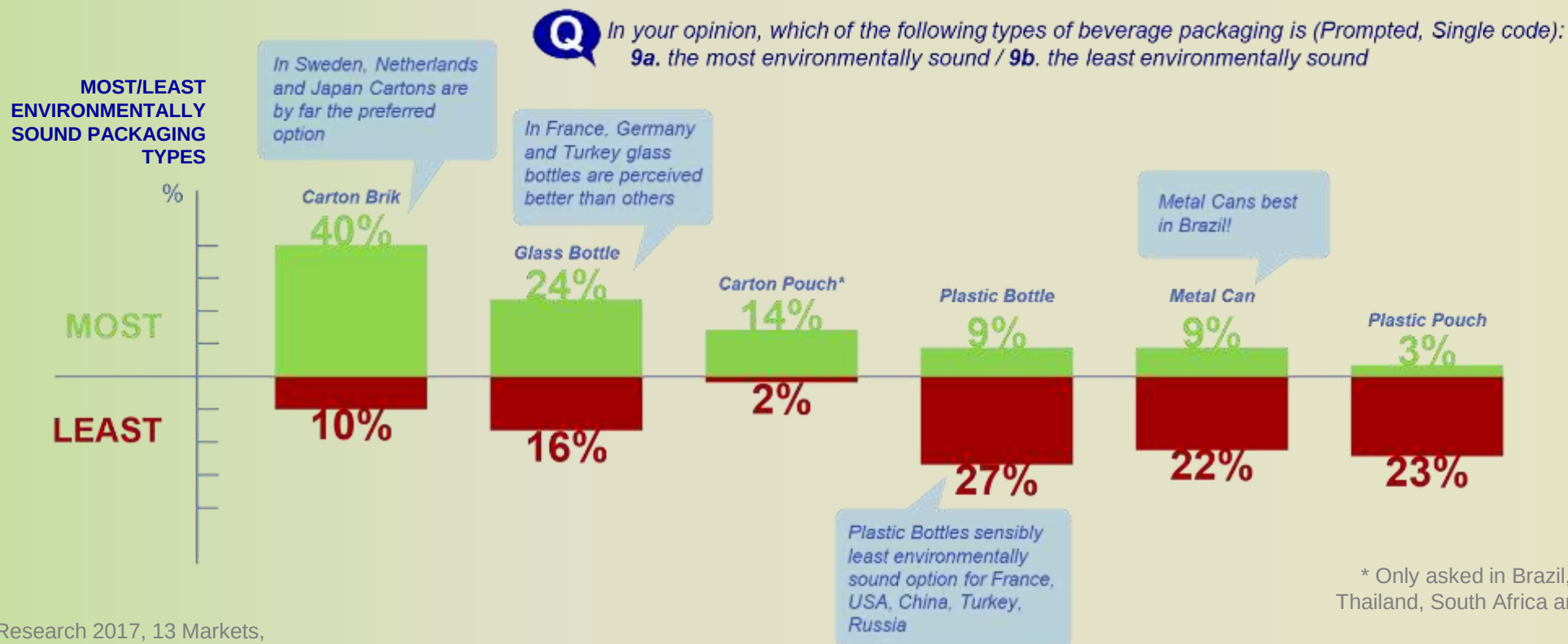
Recyclable

Beverage cartons are recyclable and increasing being recycled around the world. Fibre and polyAl components are valuable raw materials for other industries



Carton is the most environmentally sound packaging

Opposite feedback on metal cans from developed and developing countries

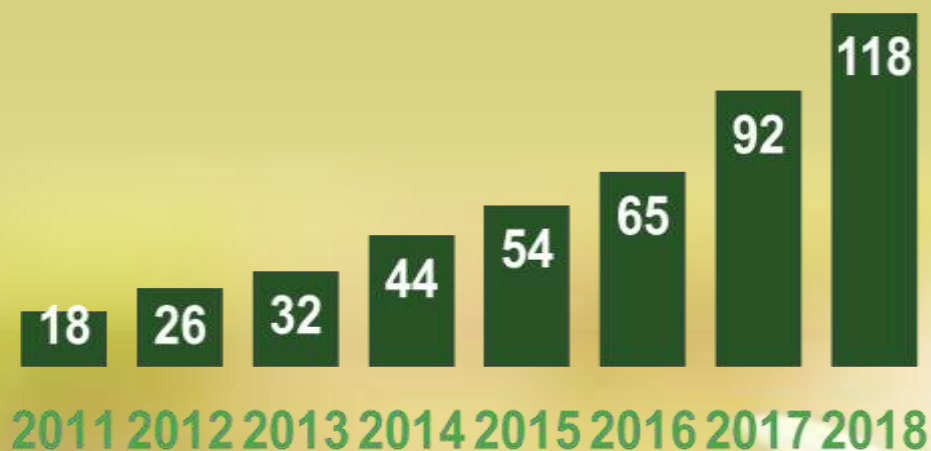




Renew: Taking renewability one notch higher

Ensuring that we use only wood from responsibly managed forests certified by FSC™

FSC™-LABELLED
PACKAGES
BILLION PACKS



100%
of our paperboard
now comes from
FSC™ certified
and controlled
wood sources

100% of our
converting plants &
market companies now
has FSC™ CoC
certification, so we can
supply FSC labelled
packages from
**anywhere in the
world.**





Recycle: Expanding recycling applications

Turning used beverage cartons into new products





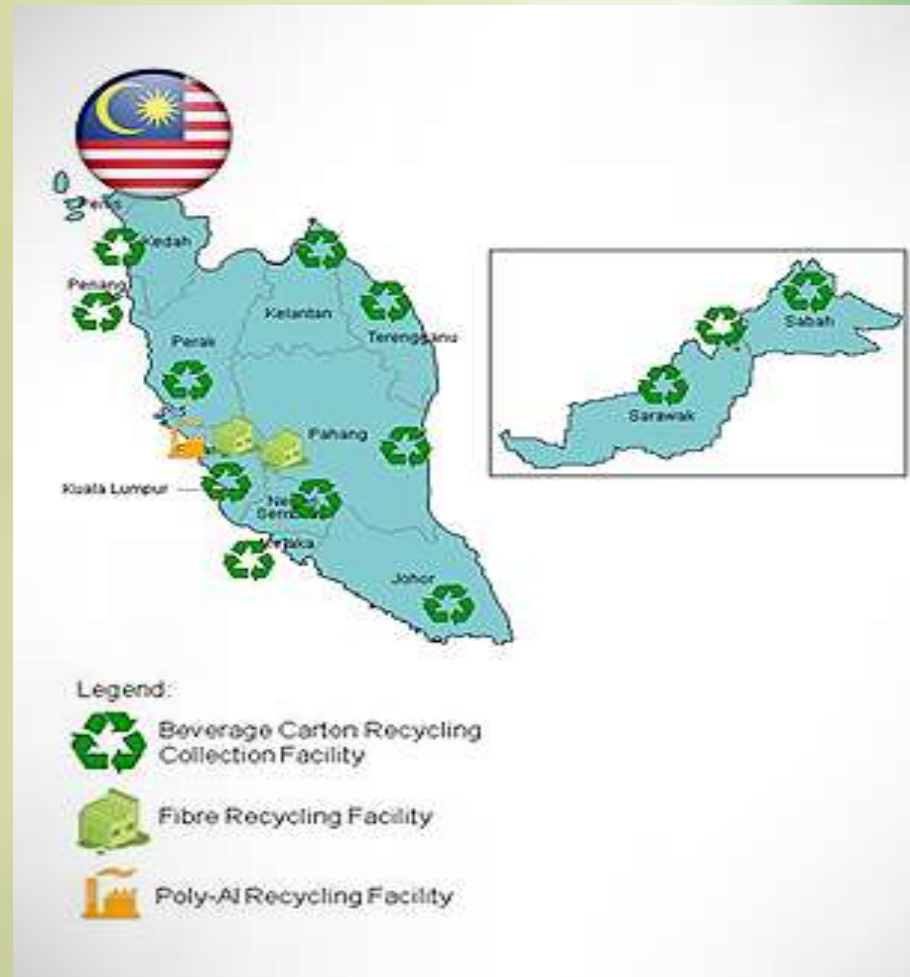
We make
recycling
meaningful and
real in market
we operate.





Recycling in Malaysia going on strong....

We have a network of 37 state/regional collectors nationwide (including 1 recycler with both fibre & polyAI recycling facilities in Malaysia)





Completing the UBC recycling loop



You & The 3-Fs



The Recycling Bin



Collection



Paper Mill



Cartons in hydropulper



Paper Trail



Pulp made into various paper products



Poly-Alu Trail



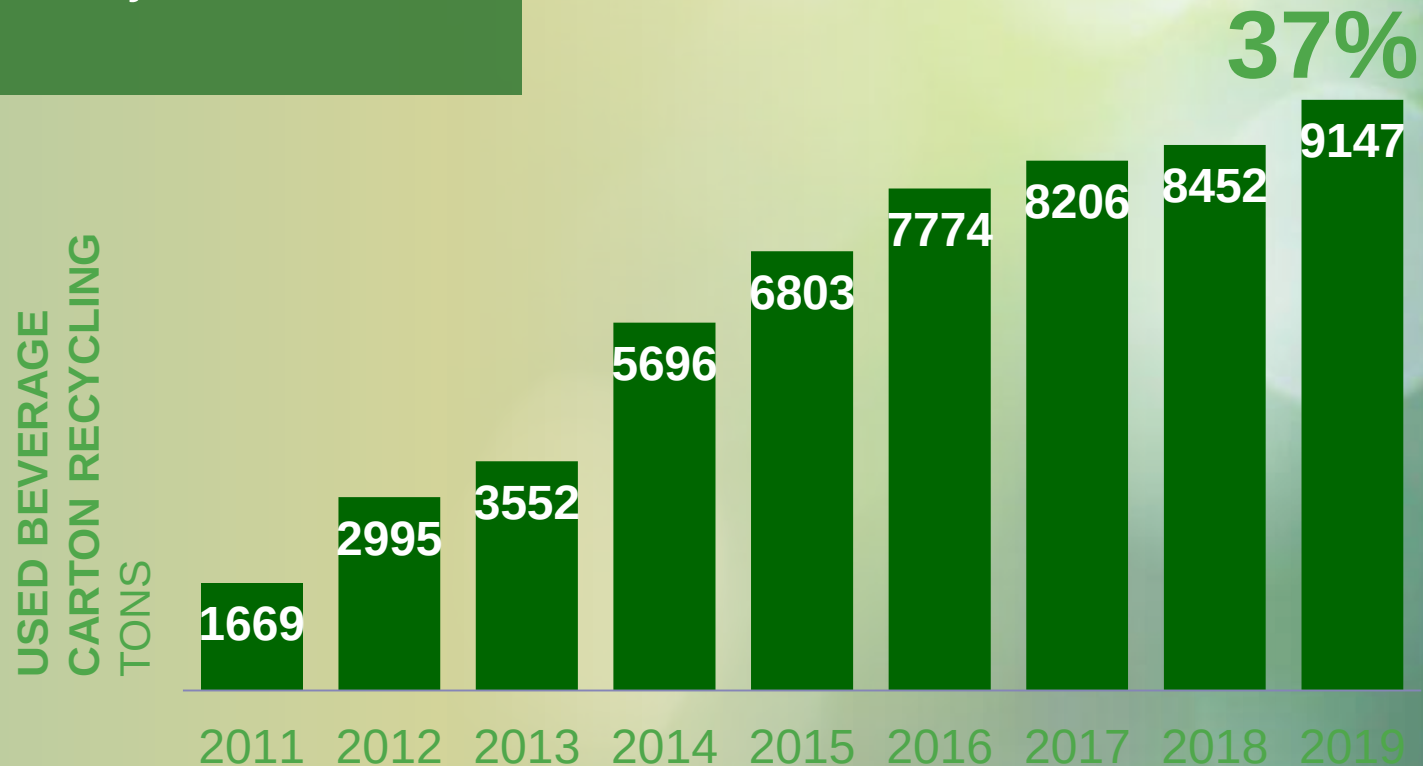
PolyAl made into panel boards/ roofing tiles





Now, **1 out of 3** used beverage cartons are being **RECYCLED** in Malaysia

In 2019, a total of approx. **915 million packs** of used beverage cartons are being recycled in Malaysia





DRIVING RECYCLING SUCCESS FACTORS REMAINS OUR KEY FOCUS

Collaboration & Commitment
among value-chain stakeholders is
key to make it work.



Increase consumer
awareness



Support collection
and sorting infrastructure



Boost business opportunities
for recycling entrepreneurs



Expand market opportunities
for recycled materials



The CAREton Project

A Tetra Pak initiative

In partnership with Nestle



A used beverage carton recycling project brought to you by:





A used beverage carton recycling project brought to you by:



A drink pack recycling campaign to help put roofs over the heads of those in need





A used beverage carton recycling project brought to you by:



Mechanics of The CAREton Project

A carton recycling campaign to help those in need



Promotion

Consumer outreach

- Exhibitions
- Trade activation

PR activities

- Launch/closing events
- Media visits/interviews

Website/FB

Radio

Collection

Strengthening a nationwide network

- Retailers
- Charity groups
- Schools/unis
- Local councils
- Hotels

Recycling

Channeling to recycling partner

- Extraction of plastic and aluminium in used cartons to be recycled into roofing tiles

Donation

100% donation to official beneficiaries and community projects

- Social enterprise, EPIC Homes - roofing tiles for building homes for Orang Asli families
- MBPJ – community projects

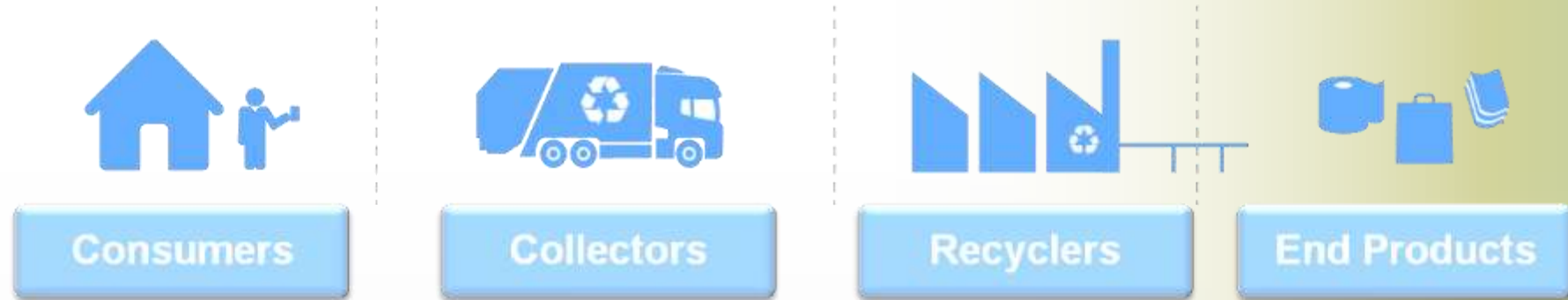


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Recycling is not our business but it's our business to make recycling work

Working across the value chain



Working together to spread the word



- ▶ Social media promotion using infographics and video
- ▶ Launched CAREton Promotion Kit and Storage Solutions support to collection partners
- ▶ Home build – closing activity

Making it easier to recycle



- ▶ Launched Recycle Easy website
- ▶ Over 30 collection partners across the nation
- ▶ Close to 500 drop off points

Making sure what gets collected gets recycled



- ▶ Working with recycler to upgrade capacity to meet current & future demands

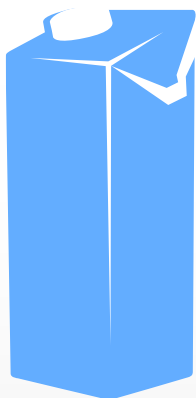
Adding value to end product



- ▶ Improving quality of roofing tiles to meet needs of beneficiary/ recipients



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7,247
drink packs

1
4 x 8 feet
Polyal
roofing tile

X 46

1
EPIC Home
(**333,362**
drink packs)



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Multi-channel promotional activities

Strengthening social media presence



Infographics series
(shared online and print)



CAREton Youtube video
(shared via online news and FB)



Nestle-Tetra Pak Joint Home build
(shared online & print)



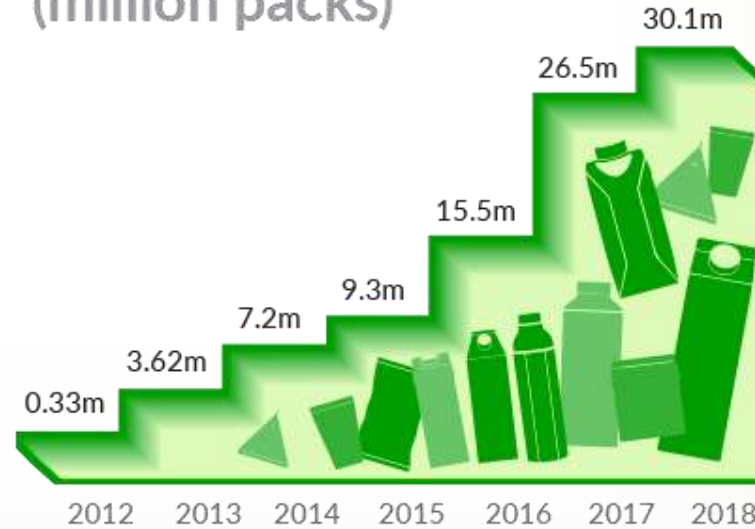
Celebrity engagement
(shared via social media, print)



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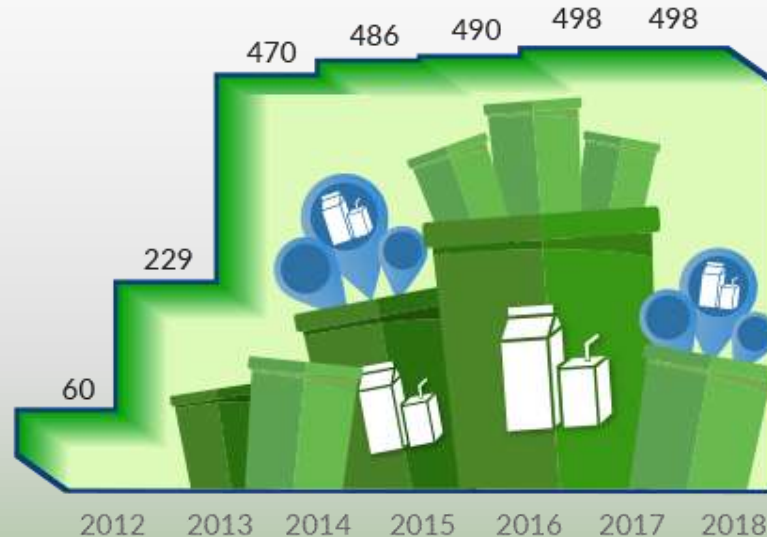


COLLECTIONS (million packs)

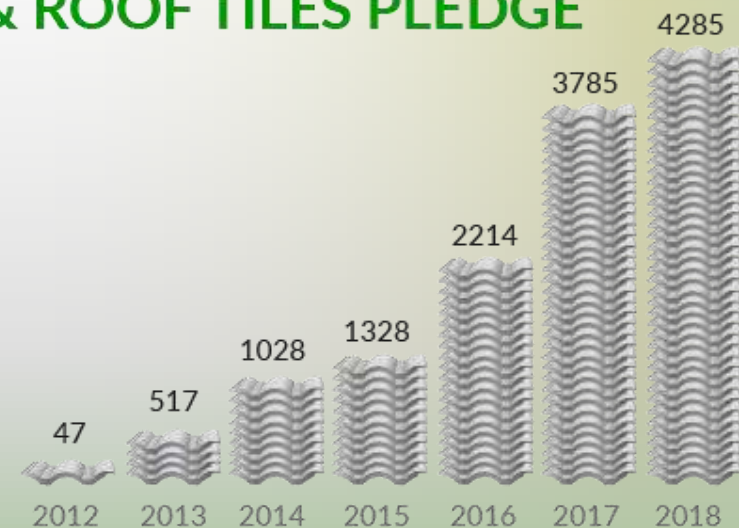


Used Beverage Cartons collected via CAREton Project represent ~5% of the total market collection in 2018

NUMBER OF DROP-OFF POINTS



RECYCLED PANEL BOARDS & ROOF TILES PLEDGE



Some examples of completed projects

EH 103 - 6 Modules Asli Home for Azrul & Hanis family
sponsored & built by Suntrack & Prima Avenue



Master Builder Elim giving a appreciation speech to builder the completion of the home in final day of build while the Azrul Hanis family on the backlogs awaiting for their time to rec the keys to officiate their n built home.

On the night, Prima Ave Chairman, Mr Benjamin Ong, of the first supporters of EPIC sponsored & helped built the EPIC Home back in 2010 and partner Mr James Tan i Suntrack.

Above : Poly Aluminium roof from Ibadpac (Brasil)

EH 107 - 4 Modules Asli Home for Chinnon & Papa family
sponsored & built by Kajang Rocks Group



Members of Kajang i completed house built.

Background : Poly i sheets from Ibadpac (Br recycled Tetrapak Beve

EH 106 - 6 Modules Asli Home for Pak Din & Wah Risan family
sponsored & built by Gen T. Malaysian Tatler



Single-storey 6 modules Asli Home design with 3 bedrooms were built by volunteers of Gen T. from Malaysian Tatler for Pak Din & Wah Risan's family.

Day 2 : Progress where volunteers is seen installing Poly Aluminium roof sheets from Ibadpac (Brasil) made from recycled Tetrapak Beverage Cartons.

Abang Faizul Roof Construction - Kg. Sg. Lalang, Semenyih
In collaboration with Buildables (formerly known as Platform 80)



Platform 80 is an online o and crowd-sourcing bu platform connecting suite solutions to anyone's build i

The Open Solution Wat created to address Abang F to complete his house in ne

Background : Poly Alum sheets from Ibadpac (Brasil) recycled Tetrapak Beverage

Refurbish Community Centre at Tangkak, Johor
In collaboration with Small Changes



Project Aspire to project to emy community in i providing educat social empowerment

It is by Small it young adults from

The Poly Alum obtained were in toilet doors i components.

Kg. Hulu Tamu Toilets & Shower
(142 pcs flat sheets, 116 pcs roof sheets)



June 2017 - Volunteer Batch to help complete the 5th toilet and shower (out of 26 total)



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Some examples of completed projects

EH 114 - 6 Modules Asli Home for Normadiah & Amran family
sponsored & built by USG Boral



Builders checking alignment of the roofing installation



Builders installing the roof sheets onto the purlins

Greenlife Project - Eco Education Classroom at Ulu Yam
Sponsored by Linaco Malaysia & Built by Orang Asli builders Hg Hulu Tamu



UCSI A1633 Community Architecture course - A Gazebo - at SM Teknik Cheras

Sponsored by Yayasan & Built by UCSI A1633 Students



UCSI A1633 is a Community Architecture course where students work with a beneficiary community to determine the brief of the project that will bring value to the community. In this case, it was SM Teknik school & the students who will benefit from this project where A1633 students designed & built A Gazebo for resting, playing & waiting for the school buses.

Build completion : Nov 2018

Location : Cheras

Type : Wooden Gazebo



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Some examples of completed projects





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not our own
business**

**...but it's our business to make
recycling work**



**Increase consumer
awareness**



**Support collection
& sorting infrastructure**



**Boost business
opportunities for
recycling entrepreneurs**



**Expand market
opportunities for recycled
materials**





Thank you.



<http://www.tetrapak.com/sustainability>