



# TOUCHING LIVES AND PROTECTING THE ENVIRONMENT

with effective, sustainable programmes  
that make a real difference

COMMUNITY & ENVIRONMENT



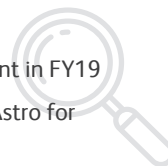


We aspire to serve and empower our community through our Astro Kasih programmes

## Empowering our community and advocating an inclusive society

### Highlights:

- RM10.2 million – Total community investment in FY19
- Total of 16,369 hours contributed by Team Astro for 175 community programmes in FY19



Our foundation, Yayasan Astro Kasih serves as Astro's platform to enrich and inspire the community through its four pillars: Lifelong Learning, Community Development, Sports, and Environment. Yayasan Astro Kasih has evolved from charitable giving and is now focused on developing programmes that make a lasting difference by addressing seven of the 17 United Nations SDGs.



### Astro within the Community

At Astro, our various community projects are thoughtfully designed and executed to meet the long-term needs of the community and nation. Our talents continue to participate in our outreach activities to create real and ongoing positive social change through various community empowerment programmes throughout the year.

### Lifelong Learning

Being a multiplatform content player, Astro is able to reach out and positively impact communities, including those living in less accessible areas. Working together with the Ministry of Education, our Kampus Astro programme has provided 10,507 schools, Teacher Activity Centres and State Education Offices across the country with free access to 17 learning channels in FY19. Our Kampus Astro programme is also present in 75 pediatric and oncology wards, Schools in Hospitals and military hospitals, aiding students who are unfit to attend school to keep up with their studies.

The Astro Kasih Knowledge Zone, another initiative to support lifelong learning has helped set up mini libraries in 89 underprivileged homes throughout the country since its inception in 2012. In FY19, Astro partnered with Big Bad Wolf Books to run a book drive at their annual book sale in December 2018. Team Astro contributed 1,058 hours to man the 24-hour book drive for 12 days, collecting more than 16,000 books to be distributed to mini libraries in such homes.

### Community Development

Astro Kasih Hostels were established to help primary school students in the deep interiors of Sabah and Sarawak learn in a more conducive environment and empower them to excel academically. The first hostel built in 2010 was for SK Magandai with two other hostels subsequently built for SK Malinsau in Sabah and SK Sg. Paku in Sarawak.

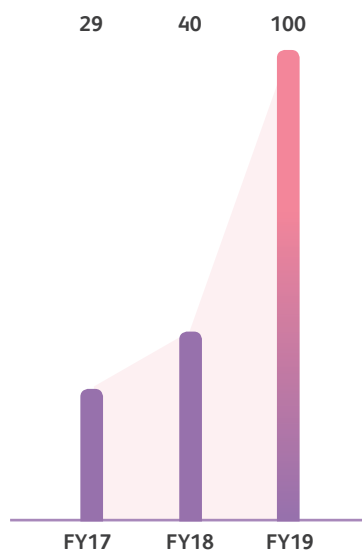
To prepare Standard Six students of all three schools prior to their UPSR examination, we organised workshops to tutor students and conducted after-school revision classes. The collaborative efforts between Astro Kasih and the school teachers have contributed to a continual improvement in the students' results since the first camp held at SK Magandai in 2011. In 2018, for the first time ever, three students from SK Malinsau, Sabah successfully scored straight A's in the UPSR examination.

For the second year running, Astro collaborated with WEDU, a global social enterprise to develop future women leaders from marginalised communities in Cambodia, the Philippines and Vietnam through the Astro-WEDU mentorship programme. Over the course of six months, eight mentors from Team Astro guided their mentees towards achieving their personal and professional goals while empowering them to make a difference within their communities.

## Ujian Penilaian Sekolah Rendah\* (UPSR) results from 2016 to 2018

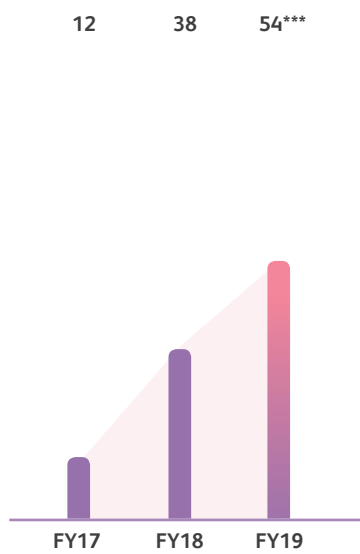
SK Sg. Paku, Sarawak

Overall passing rate (%)



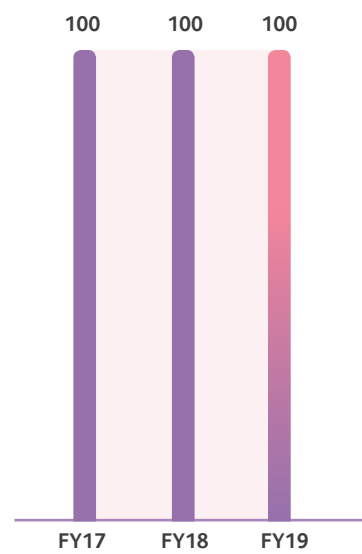
SK Malinsau, Sabah

Students scoring a minimum of 1A (%)



SK Magandai, Sabah

Passing rate for English (Comprehension) and Science (%)\*\*



\* UPSR is a national examination taken by all students in Malaysia at the end of their sixth year in primary school

\*\* SK Magandai also recorded a 100% passing rate for Bahasa Malaysia (Comprehension) for the first time in FY19

\*\*\* Three students scored 6As in FY19



Rocketfuel talent Lisa Surihani during a storytelling session at the Astro Kasih book donation drive



Sports



Outstanding Kem Badminton participants attended a two-week Overseas Intensive Training Programme in Tokyo, Japan

As a content company focused on delivering quality sports content to our customers, it was a natural decision for us to invest in identifying and training children aged 10 to 12 in football and badminton – the two favourite sports of Malaysians. Over the years, both our flagship programmes; Kem Bola and Kem Badminton, have seen an increase in grassroots participation, in line with our belief that sports should be inclusive.

In FY19, more than 3,400 children participated in the Kem Badminton selection camps held across six locations in Malaysia as well as in Bogor, Indonesia. Organised in collaboration with the Badminton Association of Malaysia (“BAM”), 70 participants were shortlisted to attend a week-long Intensive Training Programme in Kuala Lumpur in September 2018. During the final stage of this event, 29 outstanding participants were selected to undergo a two-week Overseas Intensive Training Programme conducted by the Japan National Junior Team coaches at the National Training Centre in Tokyo, Japan in December 2018.

Our badminton programmes have progressed from intensive training camps to regional competitive tournaments since its inception in 2012. In September 2018, Astro successfully organised the first national and regional level Astro Junior Championship, a Under 15 (U-15) mixed-team badminton tournament. The national level Astro Junior Championship, co-organised with BAM, saw an overwhelming response with 320 children from all over Malaysia competing for the title.

The regional level of Astro Junior Championship, co-organised with Badminton Asia and BAM, was a huge success, with the participation of 14 prominent teams. In total, 160 participants from Malaysia, China, Chinese Taipei, Hong Kong, Japan, Indonesia, Singapore, Thailand and Vietnam competed to be crowned the champion of the first ever U-15 mixed-team badminton tournament in Asia.

We collaborated with the Football Association of Malaysia (“FAM”) to organise our 2018 Kem Bola Selection Camps in seven locations across Malaysia and Singapore. 36 girls and 36 boys were shortlisted from among the 2,222 participants for the Advanced Camp where coaches from the prestigious Barca Academy were brought on board to lead the training sessions. 32 children, comprising 16 girls and 16 boys were eventually selected from the Advanced Camp for a 10-day Overseas Training Programme in Barcelona, Spain in November 2018 where participants benefited from daily world-class coaching sessions conducted by Barca Academy coaches.

Our investment into the community over the years has consistently borne fruits. As these communities grow and develop towards realising their own potential in a sustainable manner, Astro will continue to invest in key areas aligned with our business pillars for the betterment of our community and nation.

Our efforts in relation to Yayasan’s fourth pillar of Environment is outlined in the subsequent section.

# ENVIRONMENT



## Driving eco-friendly initiatives

Astro implements various initiatives as an environmentally responsible enterprise. By adopting greener practices and championing environment-friendly processes and services, we reduced our carbon footprint, and water and electricity consumption, allowing us to operate in a more sustainable manner.

## Continuous tracking of our carbon footprint

Carbon footprint assessments are regularly commissioned from a third-party vendor across our operations and main offices within the Klang Valley. The scope of the assessment covers our six main operating premises as follows:

- AABC, Bukit Jalil
- MEASAT Teleport and Broadcast Centre ("MTBC") and Astro Cyberjaya Broadcast Center ("ACBC"), Cyberjaya
- Menara ICON, Kuala Lumpur
- Bangsar South Contact Centre ("BSCC")
- Wisma Ali Bawal ("WAB"), Petaling Jaya
- Bursa Malaysia, Kuala Lumpur

The latest assessment, completed in February 2019, measured our total GHG emissions under the following scopes as defined in the GHG Protocol:

Scope	Description	Emissions (tCO <sub>2</sub> e)			Total by Scope
		2016	2017	2018	
1	Direct GHG emissions from sources that are owned or controlled by the reporting company  Example: Electricity generators for Uninterrupted Power Supply ("UPS"), company-owned vehicles	1,375	1,177	751	3,303
2	Indirect emissions associated with the generation of imported/ purchased electricity, heat or steam  Example: Electricity supply from TNB	29,892	29,421	26,725	86,038
3	Other indirect GHG emissions from transport means that are not company-owned  Example: Flights, business travel	9,494	8,202	6,946	24,642
<b>Total Emissions</b>		<b>40,761</b>	<b>38,800</b>	<b>34,422</b>	<b>113,983</b>

Scope 1, 2 and 3 emissions declined by 36.2%, 9.2% and 15.3% respectively in 2018. Over the 2016 to 2018 period, emissions registered a CAGR of -26.1%, -5.4% and -14.5% respectively. Scope 1 emissions saw a sizeable decline resulting from more stringent controls on fuel card usage for company vehicles in line with group-wide cost optimisation efforts. Scope 2 emissions decreased largely due to the installation of solar panels at AABC and overall energy conservation efforts across all premises. The reduction in Scope 3 emissions was primarily due to the streamlining of business travel, as we engaged with business partners and suppliers through digital and voice interactions as much as possible.

## Water usage

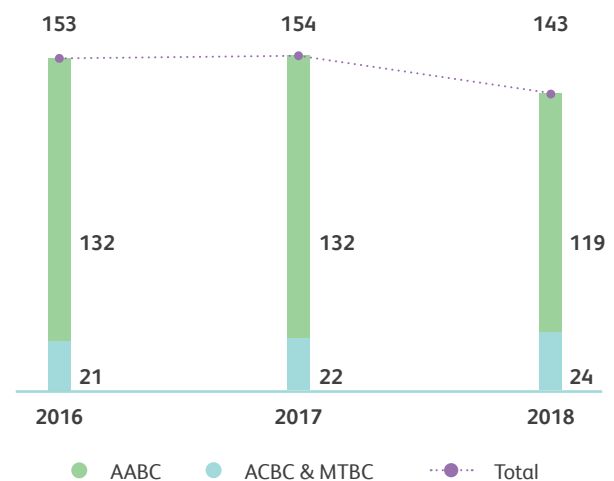
We are committed to efficiently managing our water resources and have employed the 3R principles of Reuse, Reduce & Recycle. We have installed motion-sensor taps and toilet flushing systems, aerated the water supply to reduce water consumption, and upgraded our chiller operations for better efficiency.

We are also incorporating a rainwater harvesting system within our new building at AABC that is currently under construction. The building, which is over 90% complete is scheduled to be occupied by the second half of FY20 and will have the capacity to collect and store 13,500 litres of water.

The following analysis on the trend of water usage (and electricity consumption in the subsequent section) focuses on AABC, ACBC and MTBC as we are able to track and control resource utilisation in these buildings, whereas other regional offices are rented spaces located in buildings with common amenities.

The water consumption trend shows an overall reduction of 7.1% from FY18, and a CAGR of -3.3% from 2016 to 2018 due to water conservation practices introduced throughout.

## Water consumption trend ('000 m<sup>3</sup>)







We installed more than 4,700 solar panels at Astro headquarters with the ability to generate 1.8 million kWh of electricity per annum

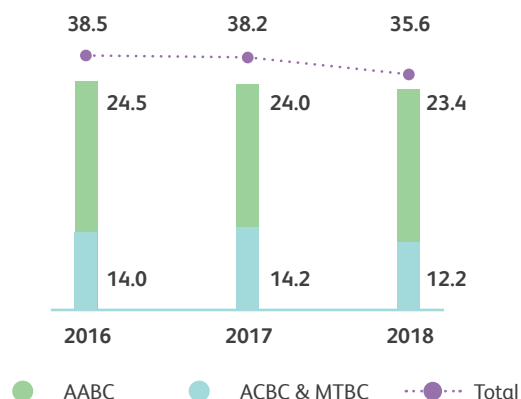
## Electricity consumption

We have improved energy usage over the years by adopting various energy efficient solutions for our three main buildings. At AABC, we upgraded the air-conditioning system in stages and refurbished our air handling unit, cooling towers and chilled water pumps. To improve energy efficiency and reduce our carbon footprint, we adopted green building features such as optimising natural light and ventilation in the construction of our soon-to-be-completed new building at AABC.

In October 2018 we installed a total of 4,780 solar panels on the rooftop of AABC, covering an area of over 100,000 sqft which converts sunlight directly into electricity for the building. Depending on factors such as sun intensity, cloud cover, relative humidity and heat build-up, the total peak capacity of the solar panel system is 1.5MW with the ability to generate 1,800,000 kWh of electricity per annum. We are looking to extend this initiative to ACBC in FY20. Additionally, two electric vehicle charging stations were installed at AABC in an effort to reduce carbon dioxide emissions and promote use of energy efficient vehicles among our talents.

Our energy conservation efforts have led to a reduction in electricity use of 6.8% versus FY18, and a CAGR of -3.8% from 2016 to 2018.

## Electricity usage trend (m kWh)



## e-Waste management

We also employ the 3R principle in relation to our used STBs. STBs found to be beyond economic repair are disposed of via an e-Waste disposal and recycling partner certified by the Department of Environment. Working closely with our suppliers, we continue to innovate to improve the design, life span and energy efficiency of our STBs. As far as possible, STBs are refurbished and redeployed in the market to reduce the company's environmental footprint.



## Occupational Safety and Health (“OSH”)

The safety and health of Astro’s talents and suppliers remains a top priority. OSH is governed by an internally established occupational safety, health and environmental management system compliant with OHSAS18001 and ISO14001 international standards. The management system has been digitalised over the last two years and is continuously being improved to facilitate company operations. Astro recently initiated a system upgrade to meet ISO45001 standards in the near future as the OHSAS18001 management system will be discontinued in 2020.

It is compulsory for all talents to undertake an annual OSH training module online and pass the online assessment, where the passing mark is 80%. Other training provided include modules on fire safety, first-aid, ergonomics as well as specific on-the-job safety. All installers are required to undergo OSH training before commencing employment and attend a refresher course before their annual contract renewal.

To ensure preparedness during emergencies, annual fire drills are conducted at Astro’s six main offices as listed earlier, as well as Wisma SSP in Seri Kembangan. A bomb threat emergency exercise was successfully conducted at AABC in December 2018 involving the Royal Malaysian Police, Fire and Rescue Department and nearby hospital personnel.

In FY19, the accident rate per 1,000 employees at Astro remained low at 0.19, compared to the national average of 2.93 according to the Ministry of Human Resources. There were no fatal accidents reported in the last three years.

There was one occupational lost time injury reported in FY19. Unfortunately, this incident occurred due to the non-compliance of safety procedures by a contractor during the installation of an Astro outdoor dish at a customer’s home. We continue to reinforce a compliance culture among our talents to ensure such incidents are avoided in the future.



Electric vehicle charging stations were installed at our headquarters to promote usage of energy efficient vehicles among our talents

## Caring for our environment

To reduce paper and ink usage, we intentionally set our printers to a default of double-sided, black and white printing and recently redesigned our corporate template to feature a white background instead of magenta, our corporate colour. We support the use of public transport by having dedicated shuttle buses for our talents to commute to and from light rail transit stations, thus helping to reduce the general carbon footprint. We have also installed energy-efficient hand dryers in our washrooms to reduce the use of paper towels. In an effort to encourage our talents to bring their own reusable bottles and containers, our cafeteria no longer provides straws and polystyrene food boxes to patrons.

