

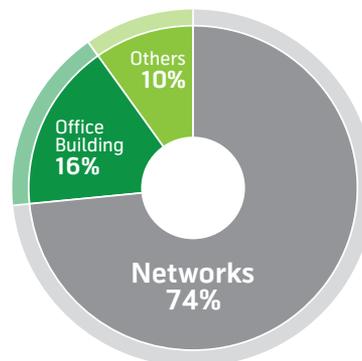
# CLIMATE CHANGE- ENSURING A BETTER TOMORROW

Grameenphone believes that climate change is a real threat for the world and hence having a big operation in Bangladesh, the Company has a huge responsibility towards minimising the impact on the environment. Consequently, Grameenphone's first priority was to take responsibility for the carbon emissions (CO<sub>2</sub>) generated from its own operations. Grameenphone has set a target of reducing 30% CO<sub>2</sub> intensity within 2017 from the business as usual situation, considering 2011 as the baseline. Grameenphone is dedicated to the continuous deployment of enhanced sustainable solutions for energy efficient and environment friendly networks, which ultimately aids in the country's efforts in respect to offsetting the effects of climate change.



In December 2015, Grameenphone took the initiative to certify its Environmental Management System (EMS) as per the ISO 14001:2004 standard. After two stages of comprehensive audits conducted by International Certification Body "Bureau Veritas", Grameenphone received the ISO 14001 certification, which means that Grameenphone has complied with the various clauses of the ISO 14001:2004 standard. By having this ISO 14001 certification, Grameenphone can assure stakeholders that its EMS meets international industry specific standards.

Areawise energy consumption in 2016



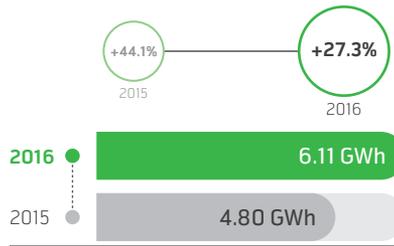
Grameenphone has taken lots of green initiatives to reduce its carbon footprint individually and collectively. All the initiatives ensure CO<sub>2</sub> reduction through energy efficiency, increased use of solar energy over fossil fuel, limiting the use of valuable resources, reducing travel requirements for operations, and lastly creating greater environmental awareness among employees and stakeholders.

## Green Initiatives

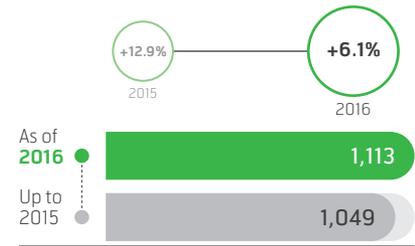
### Solar Powered BTS

As of 2016, solar power has been deployed in 1,113 sites (i.e. 6.1% site increased compared to 2015) in electricity constrained zones which are producing 6.11 GWh (i.e. 27.3% increment of solar production compared to 2015) solar powered electricity yearly. These solar sites save approx. 1.87 million litres of fuel which is a yearly reduction of over 4,900 tons of CO<sub>2</sub>.

Electricity Produced from Solar



No. of Solar Sites in Network



### Hybrid BTS

In 2016, Grameenphone has converted 130 Generator+Solar sites to Commercial Power+Solar Hybrid Sites. The newly introduced hybrid sites will provide additional savings of 511,000 litres of fuel, which is around 701 tons of CO<sub>2</sub> reduction per year.

#### E-waste Recycling

As of 31 December 2016, more than 383 tons of e-waste (GSM and microwave antennas and other electronic accessories) has been recycled through our recycle partner. The recycling is completed in Bangladesh and overseas in accordance to ISO 14000, OSHAS 18000, and R2 standards.

#### Battery Reuse & Recycling

Recycling and reuse of 100% used lead acid batteries have been set as our internal KPI. So far we have recycled 18,369 old batteries and reused 8,500 refurbished batteries in 2016.



**REUSE  
REDUCE  
RECYCLE**

In Grameenphone we are continuously committed to minimising the environmental impact of our operations. In 2010, our EMS policy documented, implemented and communicated to all employees. Our ISO 14001:2004 certified EMS policy provides the framework for setting and reviewing our environmental objectives and targets, setting the platform to go beyond.