



**COMPANY NAME: GREEN AIR INC.**

**MINI PORTABLE AIR CONDITIONER BLUEPRINT REPORT**

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**Faculty** : Faculty of Applied Sciences  
**Program** : Bachelor of Science (Hons.) Chemistry  
**Program code** : AS202  
**Course** : Technology Entrepreneurship  
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## 1. **EXECUTIVE SUMMARY**

Green Air Inc. is a company that produce Mini Portable Air Conditioner. Our company will be the main provider for this product at an affordable price and good quality.

Our product aim to solve the customer problem in our country, Malaysia that having difficulties due to the hot weather. People who are constantly working under the sun or even those who are in the building can use this product. Another main reasons for the invention of this product is to reduce the global warming by using the latest technology. It is known that the components in the standard air conditioner usually contains high toxicity substances such as chlorofluorocarbons (CFCs) which is known to be dangerous and harmful for the Earth's ozone. Our product will omit the use of all these dangerous substances.

The production of Mini Portable Air Conditioner is such a great ideas towards our environment and hopefully will give a fierce competition among the air conditioner industry. Since our company, Green Air Inc. is the first to invent this air conditioner with the latest technology, we hope to be the main supplier and customer's first choice for this product.

### Company's Profile

- ✓ Name of company: Green Air Inc.
- ✓ Headquarters Address: Jalan Bunga, Ara Idaman, 47301 Petaling Jaya, Selangor
- ✓ Website: [www.greenairinc.com.my](http://www.greenairinc.com.my)
- ✓ Telephone No.: 05-6818867

### Logo of Company



The name of our company is Green Air Inc. The idea simply comes from the desires of making a green technology product. The logo represents our hope to be the leader in green technology product. The letter 'G' symbolizes our company name, 'G' is the initial of our company's name. The leaves represent our nature. The meaning behind it is our product is eco-friendly product as it help to save our environment and nature.

## **2. PRODUCT OR SERVICE DESCRIPTION**

Nowadays, our Earth is having global warming issue that affects all living things. Decreased rainfall raises the risk of wildfires, which release yet more carbon dioxide (CO<sub>2</sub>). A warming Arctic could trigger the release of long-frozen methane, which would heat the planet even faster than carbon. A lesser-known climate feedback loop, though, is likely mere feet from where you're sitting: the air conditioner (AC). Use of the energy-intensive appliance causes emissions that contribute to higher global temperatures, which means we're all using AC more, producing more emissions and more warming. But what if we could weaponized AC units to help pull carbon dioxide out of the atmosphere instead? According to a new paper in *Nature Communications*, it's feasible. Our company has come up with this idea by using the latest technology development, AC units in skyscrapers and even your home could get turned into machines that not only capture CO<sub>2</sub>, but transform the stuff into a fuel for powering vehicles that are difficult to electrify, like cargo ships. The concept, called crowd oil, are currently in development. In these desperate times, crowd oil might have a place in the fight to curb climate change.

By taking the advantages toward this situation, our company are introducing a product called 'Mini Portable Air Conditioner' that has been invented with special features which will helps people in their daily life. We designed the product that could reduce global warming while being practical simultaneously as the product could easily be carry anywhere and everywhere. AC are made of different materials. Various components in an AC differ with their application. Most parts are made of stainless steel. Occasionally, corrosion-resistant metals are also used to reduce the corrosion for the long-lasting usage. For excellent thermal properties, aluminium or copper tubings and coils are used. Plastics are used for aesthetics and to separate components and plastics are also generally favored for their light weight and the cost. The hand-held slim design of the product make it easy to be stored in handbag, backpack, or school bag.