**TEAM TRINE TECH**

Trine Tech is a bio-resource technology start-up that is being incubated in the Roar Nigeria Start-up Incubator, University of Nigeria Nsukka. We are utilizing bio resource materials like cassava peels, kitchen waste, cow dung to generate biogas and organic fertilizer through the process of anaerobic digestion, using bio-recyclers. In the long run, we hope to use this renewable source of energy to produce bio-fuel that will power gas engines and generate electricity, Thereby directly addressing the Sustainable Development Goals 3, 7, 11, 13, 15 and 17 which are good health and well being, affordable and clean energy, sustainable cities and communities, climate action, life on land, and partnerships for goals, respectively.

**MARKET POTENTIAL OF OUR SOLUTION**

**W**e partnered with the National energy research and development centre, University of Nigeria Nsukka where we gained access to guidance and mentorship on how to go about our research and prototype building. This is how it works. The allocation of different elements into the bio-recycler is divided into three, 25% free space, 25% waste and 50% water. All these elements are combined and imputed into the airtight digester that undergoes the process of “anaerobic digestion” to produce biogas and the rich nutrient digestate can also be used as fertilizer is more eco-friendly when compared to conventional chemical fertilizers. From our previous surveys and community pitch events we have received optimistic feedback from different potential customers, medium scale farmers and some community groups, all with the willingness to pay for the product whenever it is ready. So, we hope to have a rewarding market share whenever we launch our products.

**TEAM**

We are a team of proactive students who are passionate about our business, we are good in what we do, because of how unique our products are and we are willing and determined to see to the growth of our economy through this business and improve the chances of us leading our generation to change the world in our sector of operation.