

Strengthening commercially oriented urban and peri-urban farming communities by introducing smart polytunnels to increase food security under a changing and variable climatic condition in Sri Lanka

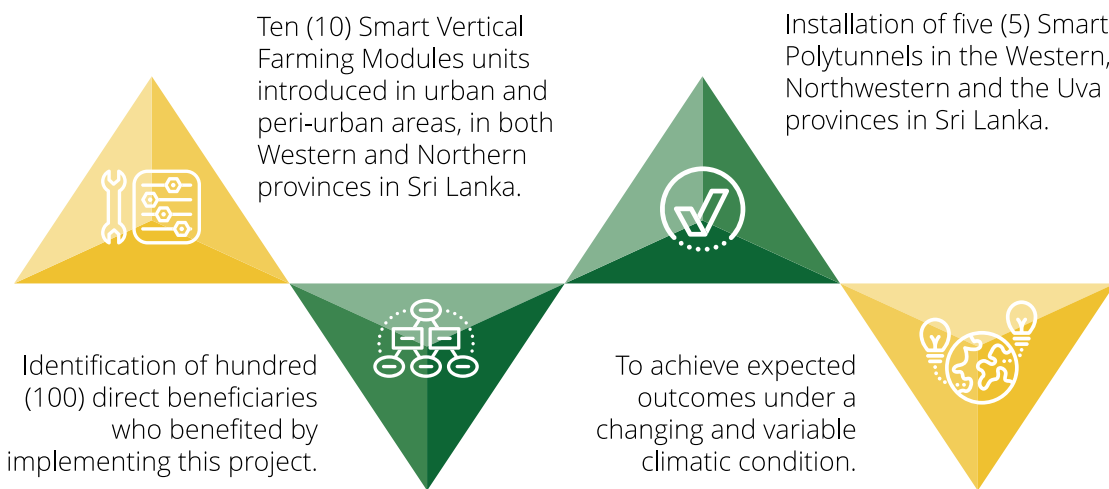
Embsys (Pvt) Ltd has been bestowed with the responsibility to carry out a project under the Climate Innovation Challenge in order to strengthen

commercially oriented urban and peri-urban farming communities by introducing smart polytunnels to increase food security under a changing and variable climatic condition in Sri Lanka. The project aims to help people in urban and peri-urban areas, who do not have much space for farming, to use smart agricultural tools to grow crops and earn money under different climate conditions.

Introduction

1. Confluence of the urban areas with farming practices using modern technology.
2. Climate resilient environment practices by communities skilled in smart agricultural practices.
3. Harnessing farming practices in variable climatic conditions.

Development and Implementation



Expected Outcomes

Higher yield of fresh and leafy vegetables with less consumption of water and nutrients.

Efficient growing techniques under a climate resilient environment practised by trained and knowledgeable community in smart agricultural practices.



Enhance women participatory with improved preparedness measures to anticipate and withstand changing and variable climatic conditions.

Building new partnerships and employment opportunities to address the provincial unemployment issue.