

EnPRO 350: Environmental Urban Wood Reclamation



Code of Ethics

Law

We will abide by all state and federal regulations.

Contracts

We will adhere to the terms of the contract.

Professional Codes

We will conduct employee evaluations and train employees on a regular basis.

Industry Standards

We will abide by all industry standards for facilities and equipment safety.

Community

We are honest and respect the values of the community we serve.

Personal Relations

Regardless of personal relations with customer we are honest and provide equal service to every customer.

Moral Values

We will properly educate and inform the community before taking action to cut down trees.

Problem Statement

"Create a business solution that targets the problem with urban wood and educates consumers via products and services."

Objectives

To successfully develop a business model in the 3rd ward of Chicago in which urban trees are utilized into various products, such as lumber, biofuel, etc., instead of being primarily reduced to mulch.

Once successful, Smart Tree will expand its business into other wards and into suburbs, with a focus on utilizing trees affected by the Emerald Ash Borer.

To be morally responsible in not only making a profit off of the Emerald Ash Borer problem, but invest into the research to find solutions for it, and also to educate the public about it.

What is Urban Wood?

Urban wood comes from the trees that are growing in cities, towns and suburbs. Its the wood that no one wants because it has foreign objects such as metal, concrete, beer cans, nails, arrowheads. For people that own saw mills it is just to much liability because the wood could damage their mills and injure their workers.

Our local problem: Emerald Ash Borer

Emerald Ash Borer (EAB) is an exotic beetle from Asia. EAB feeds off of Ash trees by burrowing into the tree until it gets into the cambium layer. When they are larvae (immature stage) they feed off the cambium layer. By feeding off of that particular part of the tree, it cuts off the trees ability to transport water and nutrients. When the EAB is in its adult stage they feed off the leaves of the Ash tree.



Our Business Solution

Mission Statement

"To Satisfy Our Customers by Providing High Quality Wood from Urban Forests while Creating a Positive Change in the Environment"

Our Team Structure

The success of our project lies in every single member of our team. It is structured where the leaders act as a communication vehicle between the sub teams. All of the partners share equal importance in the decisions regarding Smartree.

Process Flow Chart

