# Vlog #1

**Team SolarSize**

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In Partnership with
Greenwave Innovations

# Project Idea

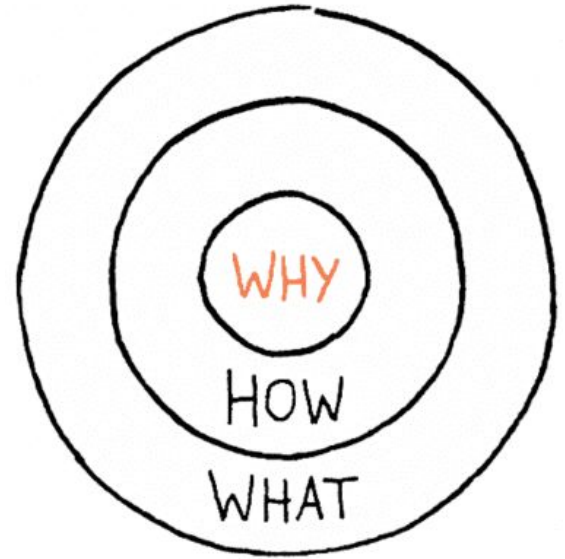## In Partnership with Greenwave Innovations

- Working with Greenwave Innovations, create a tool for their customers

- This tool will size solar generation needs of a customer, and provide accurate ROIs, limiting overgeneration

- This will utilize Greenwave data, including actual building energy consumption metrics

- Allow customers to see how different solar systems match up to their requirements

- Once installed, monitor the solar generation, and detect any issues such as snow or dust blocking, or damaged panels

- Can be further extended to include other aspects of Greenwave's business, such as power storage sizing

# Project Background & Business Opportunity

- Solar power generation can offset the cost of a buildings power costs

- Any power generated that matches power used, is counted as a full credit

- Any generation over what is used, is counted as a half credit

- Every building has a unique profile, such as building layout, and solar intensity at that location

- Over generation is difficult to project

- Accurately sizing the solar energy needs of a building could be made easier

- With better data access, better solutions can be implemented

- Better solutions means better ROI

- This tool doesn't exist widely, and would fulfil a unmet need

# Reason

- We aim to solve the problem of solar power sizing and real-time data analysis at Greenwave Innovations.

- Our "Why"

# Impact

"When we are done, the task of sizing solar power installations, and accessing and analyzing associated real-time data will be more intuitive so we think we need to provide a quick and easy way for users to size and access real-time information about solar power."

# Who

- Primary:
  - Greenwave Innovations


- Secondary:
  - Greenwave Innovations' clients

# What

- Limited to the energy consumption and solar intensity data available

- Limited knowledge of business area and field

- Learning new technologies / AI

- Must be designed with ability to integrate into existing system

- Timeframe, meetings, schedules