

## Grid Game – Resilience Demo

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## Introduction

- Grid game is developed by Timothy R McJunkin from Idaho National Laboratory.
- Grid game started as a simple Microgrid Simulator that modeled the frequency variations of a microgrid with some inertia.
- Developed for classroom demonstration and conducted as a game competition at different venues.
- Grid game uses Real power/frequency swing equation based simulation driven by publicly available load/generation information.
- Grid game is developed in LabView platform and currently available with local pc installation.
- Grid game is available for free at <u>www.gridgame.org</u>.



## **Grid Game**

- The primary goal of the game is to stabilize the frequency of the microgrid.
- Increase your score by maximizing with the amount of power delivered to the customers.
- Make sure to protect your microgrid from any Cyber vulnerabilities.
- Before you join the game

- Make sure you installed the game on your windows PC.
- Install LabView Runtime engine (2015 32 bit version).
- Follow the Installation instructions provided beforehand.
- Game will start with a trial round followed by an actual 30-minute game event.





