INTRODUCTION

- Jack Skoda
- Associate Vice President Cybersecurity Research
- 34 years in tech sector
- 21 years VTANG cyberspace operations
- Joined the NUARI team in 2017

NUARI
1819
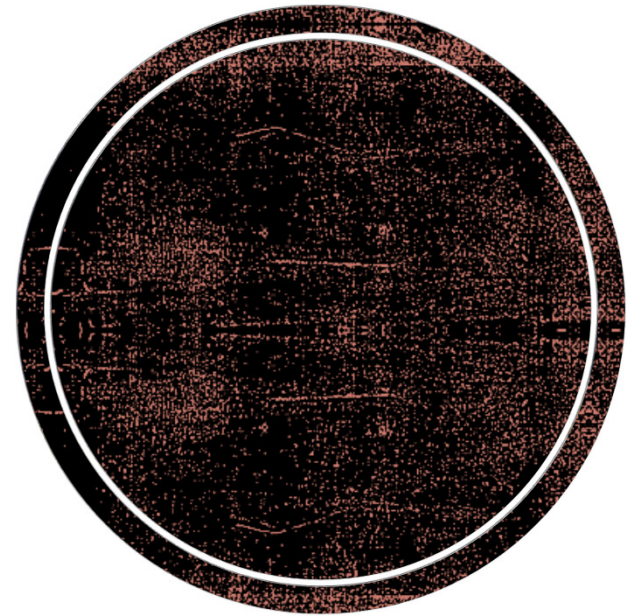Norwich University Applied Research Institutes

NORWICH UNIVERSITY K12 OUTREACH

- 2021

- Outreach with central Vermont middle and high schools

- Hosted Field trips to NU
  - Women in Cybersecurity Club led a hands-on digital forensics
  - Students learned about the different education paths and career opportunities

- 2022

- Norwich students are teaching a lesson on cybersecurity to the Introduction to Programming at Montpelier High School

- Dr. Huw Read and Norwich students worked on a Pi projects with students at Northfield High School with a presentation to family and friends at an evening event at Norwich.

- Plans to expand the Pi project to the newly formed cybersecurity club at U32 in 2023

- Additional opportunities have been identified to train educators at the elementary level to support creating education content for elementary students

- Establishing field trip dates for all area schools at Norwich in the fall
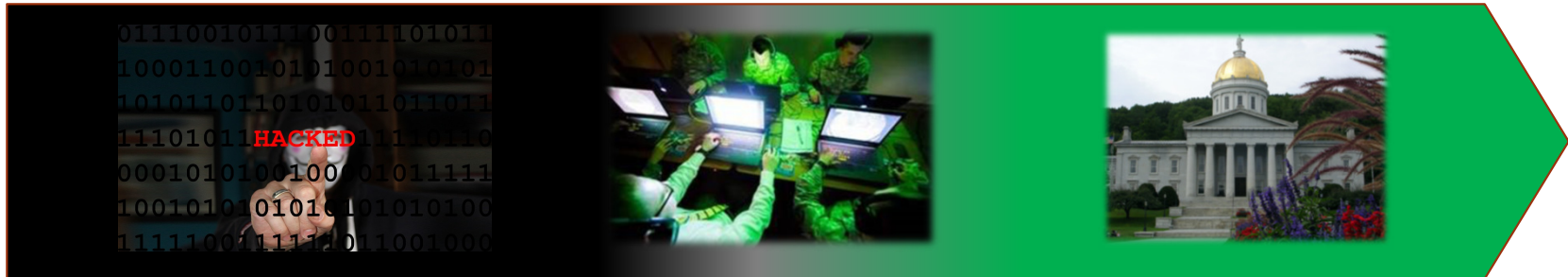
BTV CYBER VULNERABILITY ASSESSMENT

- NSA grant to provide experiential learning to NU scholarship students

- Provide research capabilities to BTV
  - Function Mission Analysis
  - Cyber key terrain identification
  - Security posture review

- Coordinate research with 158FW MDT to support F35 operations

State of Vermont Security Situation Center

In December, 2018, Norwich University Applied Research Institute was awarded a contract to plan and build a Security Operation Center to support the State of Vermont Agency of Digital Services in its mission to protect the data of the citizens of Vermont by:

- Planning, designing, and documenting an industry standard Security Operations Center
- Leveraging student and faculty academic research in cyber threat analysis
- Detecting, monitoring, and investigating threat activity in state critical infrastructure

Norwich University Applied Research Institute working with Norwich University and the Agency of Digital Services provides cutting edge incident analysis and response capabilities to defend the mission critical digital landscape required by all Vermonters in the 21st century. This includes advanced machine learning and artificial intelligence applications to find and track threat actors and information sharing with law enforcement and external agencies.

- Distributed Environment for Critical Infrastructure Decision-making Exercises

- Exercises built using FEMA/DOD processes by subject mater experts

- Evaluate

- Capture

- Integrate
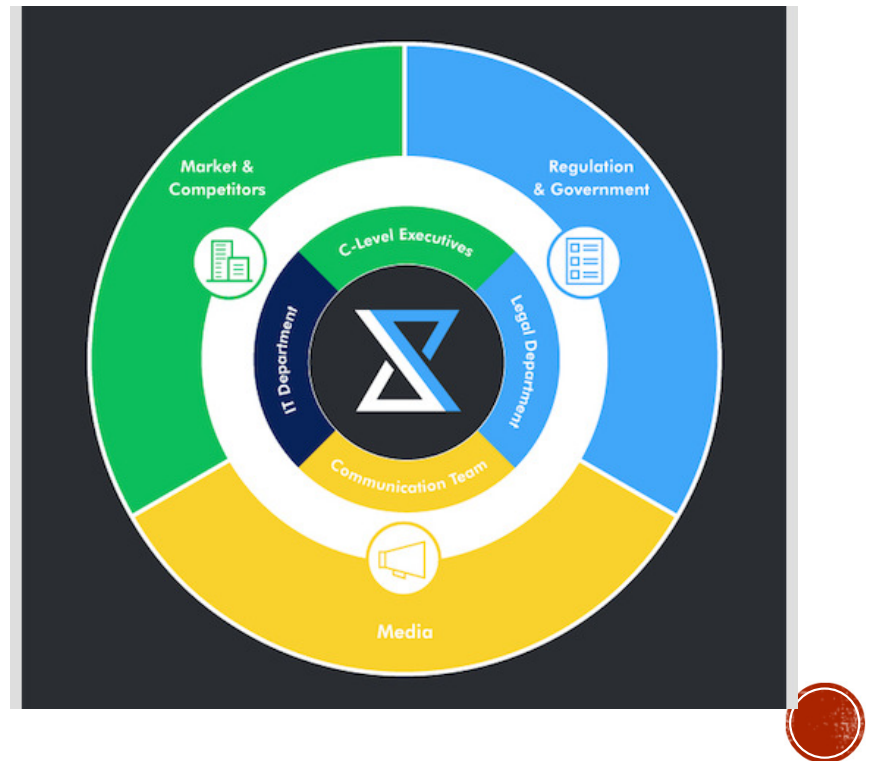
DECIDE PLATFORM **EXERCISES**

- State Government
  - ADS
  - VTrans

- Critical Recourses/Key Infrastructure
  - Velco

- National Guard
  - Cyber Yankee

- Realistic situations
  - Ransomware

- Exercise responses captured real-time during event

- Leadership and participants evaluate policy, process, communications

QUESTIONS