



Cyber (In)Security "Tips On What To Do Now"

Presented by:

**Roy Luebke - GENEDGE
Innovation and Growth Consultant**

**Josh Marpet
Red Lion Cybersecurity**

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What is GENEDGE?



MEP • MANUFACTURING
EXTENSION PARTNERSHIP

NATIONAL INSTITUTE OF
STANDARDS AND TECHNOLOGY
U.S. DEPARTMENT OF COMMERCE

GENEDGE

We are the Manufacturing Extension Program of Virginia

An Economic Development unit of the Commonwealth of Virginia

**Part of the Department of Commerce / NIST network of Centers across the country
(60 centers, 1500 staff nationally)**

20 years of success supporting Virginia businesses

**Since 2000, the #1 Bottom-Line and Top-Line Impact Producer in the system – over
\$3.5 Billion of business impact reported**

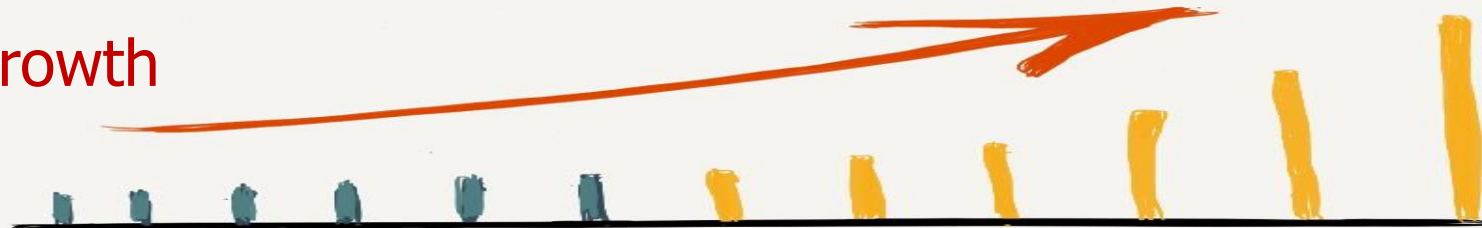
Over 10,500 industrial jobs created / retained

**32 staff including two sub-recipient partners, The Manufacturing Technology Center
in SW VA and Old Dominion University in Hampton Roads**

What Does GENEDGE Do?

Strategic Innovation and Growth
Continuous Process Improvement
Sustainability
Supply Chain Optimization
Technology Acceleration
Export Assistance
Market Commercialization

Growth



Some Fun Facts!



Word “cybersecurity” coined in 1989
(this was before the internet folks)



The U.S. Navy receives 110,000 cyber attacks every hour

iphone was first introduced in the United States on June 29, 2007

- sold 6.1m units
- 700 MILLION units in the world now



What Is “Cybersecurity” Anyway?

Confidentiality

Integrity

Availability

Non-repudiation

Authentication

Security is a Combination of Things

Policies

Procedures

Technology

Behaviors (social media, email)

Some Security Basics

2 Factor Authentication

Access Control

Encryption

Firewalls

Vulnerability Management (Alerts & Actions)

Risk Management (probabilities & impact)

Built-in Software Assurance (within your systems....where are you getting S/W from?)

Josh Marpet – Red Lion



Downloadable Self-Assessment

<http://www.genedge.org/cybersecurity-assessment-request>

Summary of Support:

- **GENEDGE services can help identify your weak spots, decrease the costs of increasing your security**
- **We work with technical firms to conduct a vulnerability assessment**
- **Provide you with a gap analysis**
- **Work with you to prioritize the gaps and target spending to protect “Crown Jewels”**
- **Help develop an implementation plan to close the gaps**
- **Provide guidance on completing an Information Security Plan**

Thank You For Attending

Contact GENEDGE

To Help Improve Your Security Posture

And Reduce Cyber Risks

Roy Luebke

Email: rluebke@genedge.org

Cell: 276-732-8372