

# Engineering PLUS Alliance Corporate Affiliates Program



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Soft Target Engineering  
to Neutralize the  
Threat Reality



*NSF's Eddie Bernice Johnson INCLUDES Alliance Engineering PLUS (Partnerships Launching Underrepresented Students). This work is supported by the National Science Foundation under award HRD-2119930. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.*



# The SENTRY Workforce & Professional Development Program: Collaboration with an NSF funded DEI INCLUDES Alliance



**Leverages \$10M 5Year NSF INCLUDES Alliance Grant Awarded August 2021**

**Goal: To attain by 2026:  
100,000/30,000 BS/MS-PhD  
Underrepresented Minorities and Women  
Annual engineering graduates**

**Strong link to SENTRY  
(Prof. Silevitch is a Co-PI)**

# Changing the Face of Engineering

# DHS PEERs\* Program

A Collaboration of The SENTRY DHS Center of Excellence and  
The NSF INCLUDES Engineering PLUS Alliance's  
stEm PEER Academy

Funding from the Department of Homeland Security S&T Office of University Programs  
*\*Practitioners Enhancing Engineering Regionally*



Science and  
Technology



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## We need your feedback



### The Engineering PLUS Value Proposition for Industry:

**What would it mean to your company's competitive future if we could change the face of the national engineering workforce by accelerating the annual number of bachelor and MS/PhD degrees granted to women and other underrepresented students?**

We need your feedback on our Value Proposition.

Does it resonate?

How can it be refined?



# We need your feedback

## Some Feedback from others in engineering community

- Emphasize Northeastern's workforce development (Co-OP) programs
- The initial work of EngPLUS has been done. It's been de-risked and it's ready to go.
- Industries can actively participate and vote on priorities via the Industry Advisory Board
- More impact by supporting a multi-institutional Alliance vs. just single institutions
- National imperative to have our global competitiveness remain unchallenged.
- We're not developing the human capital nationally in order to meet the needs and the demand of the workforce requirements.
- ***A call to join: "You need to be part of this. You need it for your business, you need it for society. It's not just a do-good. Without this, business will not do as well."***