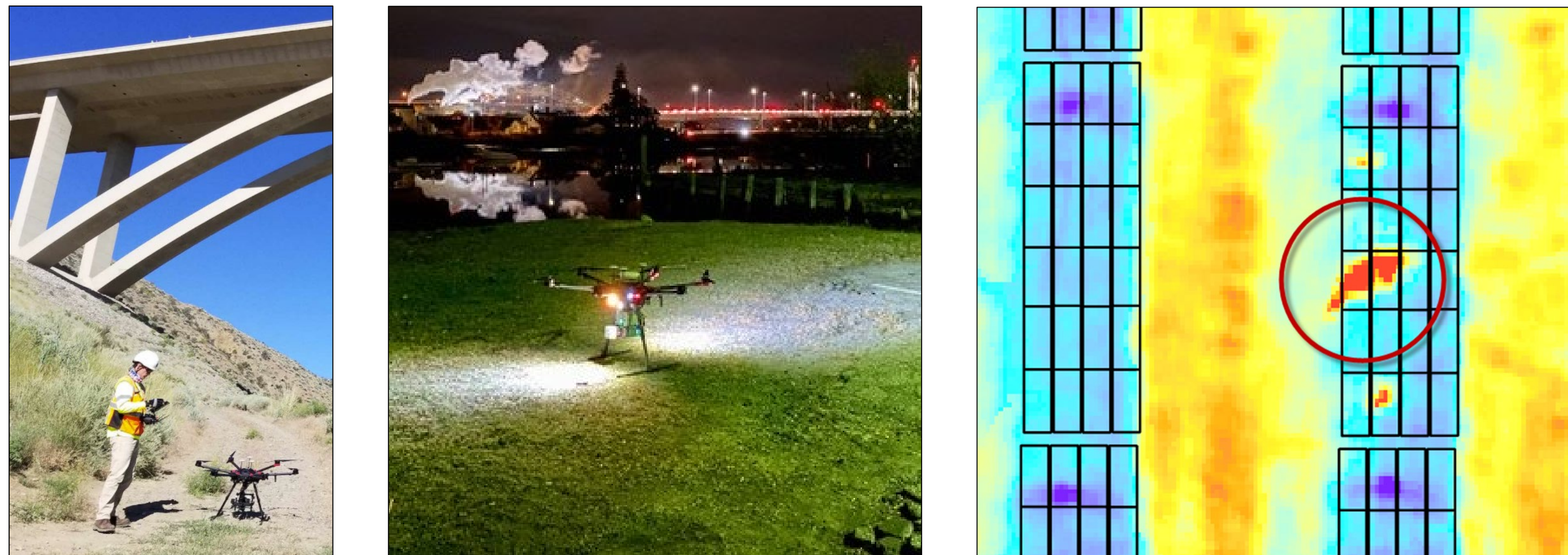


# Successful Approaches for the Use of Unmanned Aerial Systems by Surface Transportation Agencies

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## Introduction

Unmanned Aerial Systems (UAS) have the potential to revolutionize DOT operations, allowing for safer, less costly, and faster collection of data for bridge inspections, right-of-way surveys, and traffic monitoring. As with any new technology, integrating UAS into operations poses challenges related to human resources, policies, procedures, and information technology.



## Research Approach

The project team is a collaboration between the University of Vermont and ARE Corporation, bringing together nationally recognized experts in UAS safety, operations near structure, night operations, and thermal imaging.

A hybrid approach will combine online workshops beginning in 2020 with in-person training sessions in 2021 to allow the participants to understand fundamental techniques and gain valuable hands-on experience.



COLLABORATIVE  
INSTRUCTION TEAM



HYBRID APPROACH

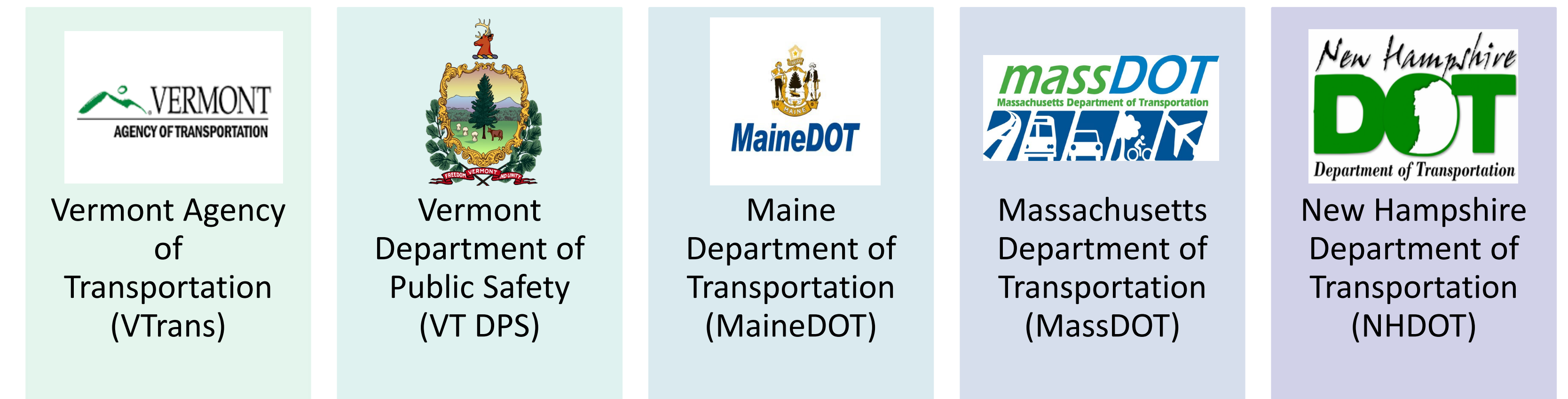


ONLINE WORKSHOPS  
(2020-2021)

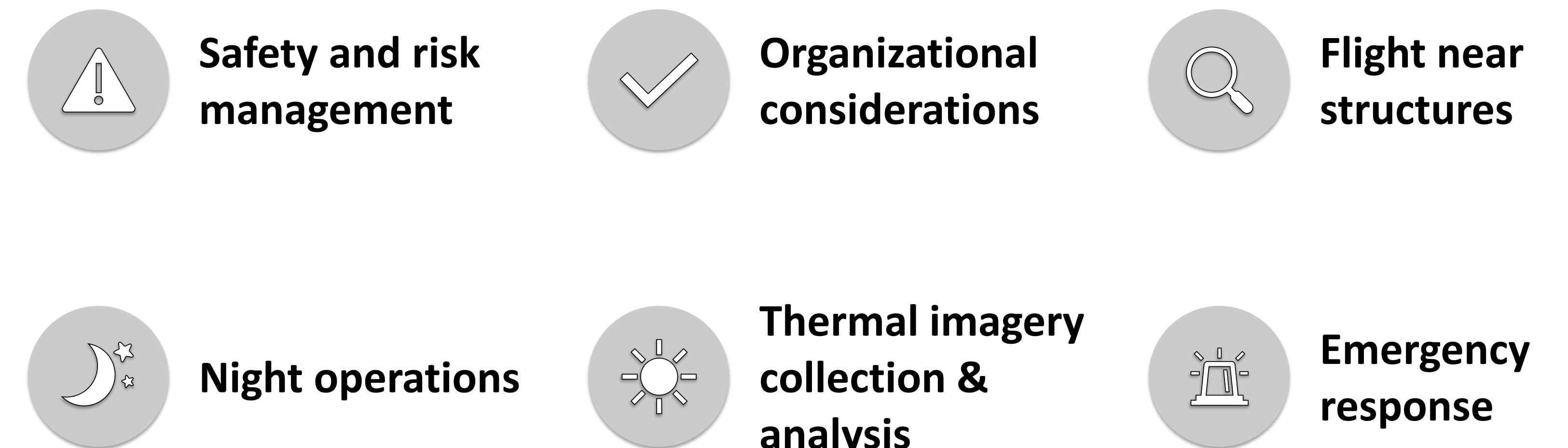


IN-PERSON  
WORKSHOPS (2021)

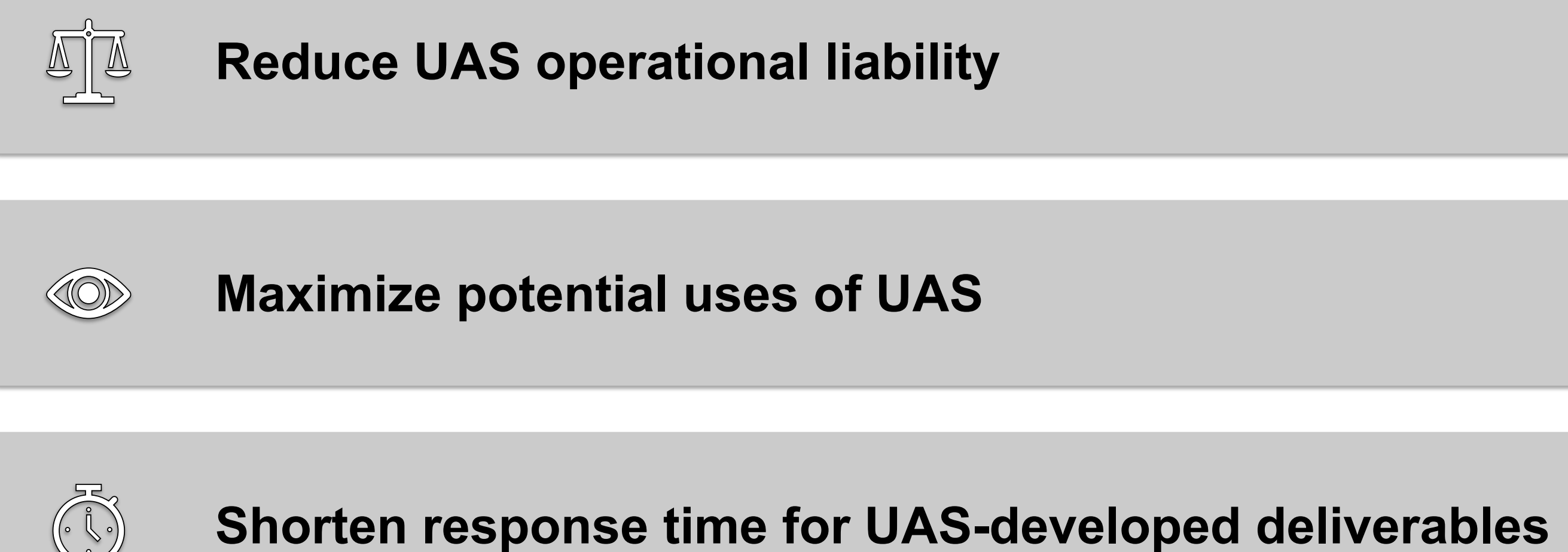
## Participants



## Training Topics



## Outcomes



## Acknowledgments

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