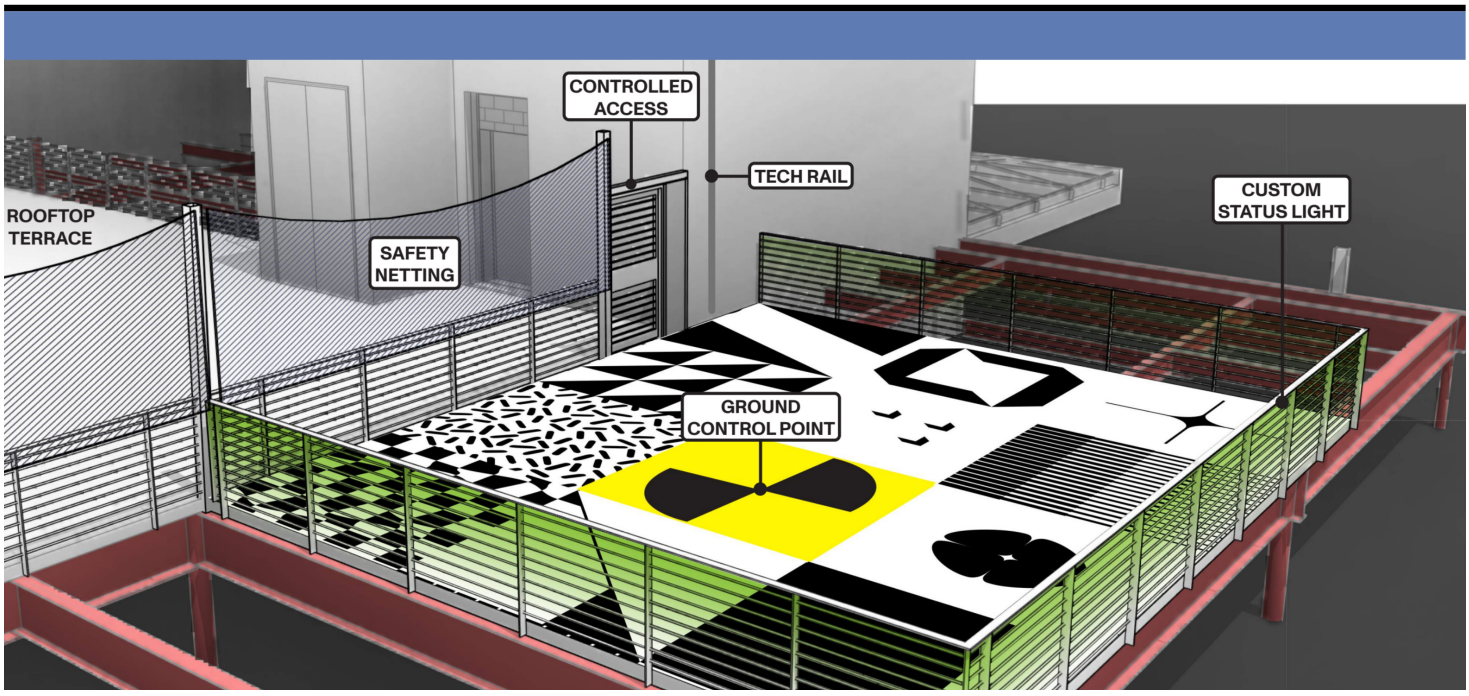


# The Launchpad

## Overview

The sUAS Launchpad located on the roof of Newlab @ MC offers a unique shared access drone launch capability right at the heart of the Michigan Central's Innovation Ecosystem.

## Integrated into AAIR Ecosystem

The Launchpad is fully embedded into the tech of the Advanced Aerial Innovation Region. It is easy observed from the VLOS spaces in the AAIR Operations Center. The Launchpad stands ready to help you move your operation from VLOS to BVLOS.

## Ready to Pilot

Designed to accommodate drone-in-a-box solutions and free standing drones up to 9ft in diameter. The Launchpad is designed to meet MDOT Aeronautics draft requirements for a drone ports,

The Launchpad is equipped with ample power, wired and wireless data, and unique embedded systems specially engineered to ensure that this is the premier place to deploy and demonstrate new drone operations.

## Safe & Flexible

Access to the platform is electronically controlled to ensure only authorized personnel are present during operations. Controls are ready for integration into bespoke drone launch facility systems to manage shared access and drone status-based access to advance the UAS market.

## State of the Art Facilities

With 14,000 sq-ft of state-of-the-art shops and micromobility pre-production spaces, Newlab @ Michigan Central offers solutions for drone operators of every stage to grow their business.

The Launchpad is located directly adjacent to the freight elevator for easy access to everything Newlab has to offer.

**MICHIGAN CENTRAL AAIR**

# 120+

**Startups in the Newlab @ Michigan Central Ecosystem**

# 900 sq ft

**Purpose-built shared drone launch and landing space for use by the ecosystem**

## Physical Space

- Cement pad construction on raised rooftop platform
- 27ft x 28ft UAS Launchpad (inclusive of TLOF, FATO and Safety Area)
- 5ft x 28ft Equipment/Drone Dock column for Drone-in-a-box
- 3ft railing surrounding platform
- Electronic controlled pedestrian access gate
- Removable netting on platform adjacent to terrace for added safety
- Adjacent rooftop terrace available for events, demonstrations
- Adopts many design aspects of FAA EB-105 for Vertiport Design for larger AAM aircraft

## Power & Data

- 120V/240V power and wired GbE data to four corners of platform
- 2-inch conduit for additional power runs as needed
- Facility internet access via dual 10Gb/s redundant circuits
- Campus OpenRoaming Wireless Network
- Tech cabinet for custom infrastructure required by drone operations.

## Other Specifications

Access to the AAIR UAS Traffic Management Systems which include

- Airspace Link AirHub® Portal
- Accipiter® Radar COP®, Cloud Surveillance®
- uAvionix Skyline™ Portal
- uAvionix Flightline™ Portal
- Redundant on-site ADS-B receivers
- RemoteID sUAS RF detection

Security

- Access controlled building and terrace
- Security camera coverage

Lighting

- DMX controllable lighting elements for custom visual status indicators.
- Egress lighting for future night operations