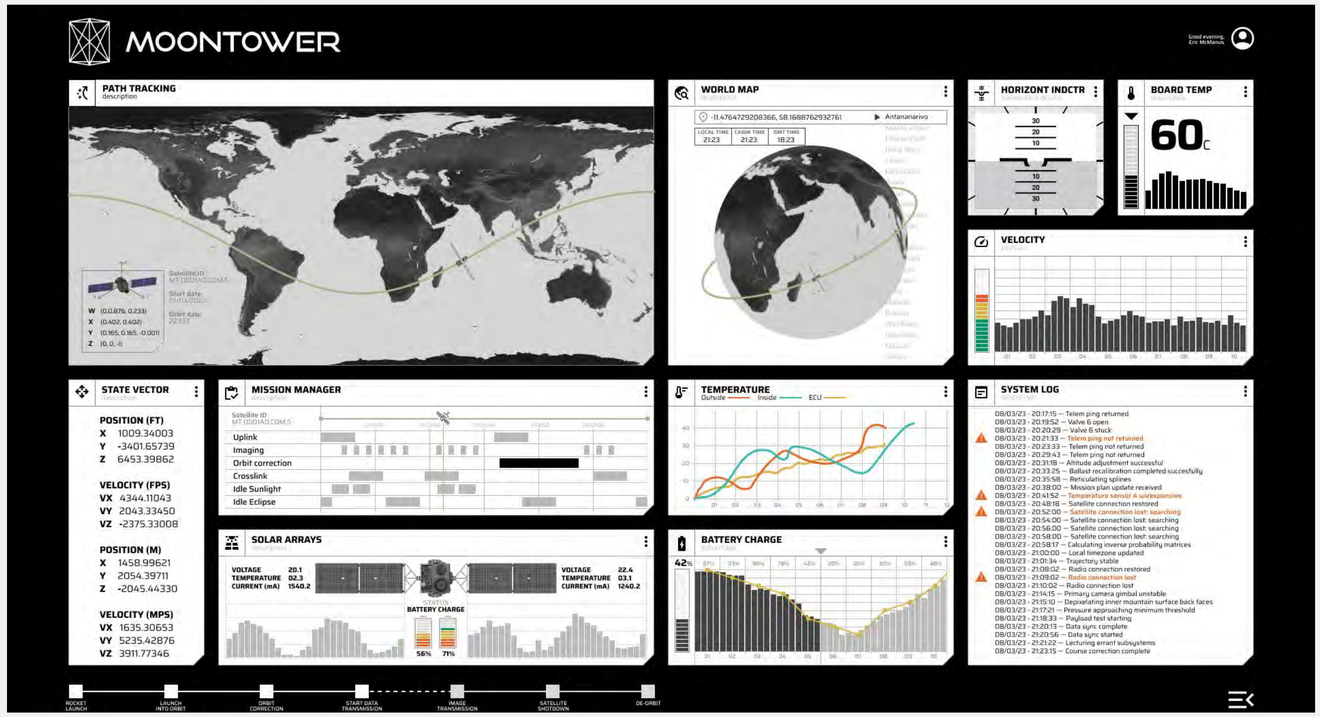
ZERO2ONE
SPACE



SPACE IS HARD. MAKE IT FUN.

TRUSTED BY OUR PARTNERS





NASA Flight Opportunities

Boumarang WaveDrone

Lift Aircraft

Lift Foils

FROM POSSIBLE TO PROVEN

One platform for teams that build, test and fly hardware. Hardware teams should be focused on the thing they are building, not rebuilding the infrastructure around it. Moontower brings mission control, telemetry, communications, data acquisition and testing into one connected platform, giving teams a common operating environment from the bench to the field to flight. It is designed to reduce the complexity of setting up and operating different hardware systems by bringing connected assets into a shared interface with common controls, telemetry and records.



MONITOR
See telemetry, health and status across connected assets.



COMMAND
Control hardware from the same environment used to monitor it.



CONNECT
Move data across changing communications networks.



TEST
Capture synchronized data and operate field hardware.



INTEGRATE
Bring common platforms and devices into one operating environment.

ONE SYSTEM. → ONE INTERFACE. → ONE RECORD.

Moontower is built around a simple principle:

TEST THE WAY YOU INTEND TO FLY.

The same screens, commands, configurations and recordings used during testing can carry forward into live operations.

ONE LAYER, EVERY ASSET

One operating layer between your hardware and your team. Moontower combines the software, communications and field hardware required to bring distributed assets into a common operational environment.



See everything. Control what matters. Moontower Mission Control is the software environment at the center of the platform.
From a laptop in a bunker to a larger mission-control display, teams can monitor connected assets, view telemetry, track system health and send commands from a common interface.

Capabilities include:
- Live telemetry
- Asset status and health
- Limits and alerts
- Remote commanding
- Remote reset
- Automated scripts
- Test and mission recording
- API and AI-agent access



Stay connected as conditions change. Moonbeam is the telemetry, tracking and command layer of Moontower.

It carries telemetry down, commands up and tracking information between the operator and the asset. Moonbeam is designed to work across communications methods including Wi-Fi, Ethernet, LTE, 5G and LoRa.

As bandwidth changes, Moonbeam can prioritize higher-value data streams so critical telemetry and commands move ahead of information that can wait.



Put intelligence where the hardware is. Moontower DAQ provides field data acquisition, timing and control for test hardware. Boards sit near the systems they measure, capture synchronized sensor data and feed that information into Moontower Mission Control. The platform is designed so boards can discover the network and appear within the fleet without requiring teams to build the communications environment from scratch.

Built for:
- Pressure sensing
- Temperature and thermocouples
- Digital inputs and outputs
- High-speed data capture
- Timing and synchronization
- Local buffering
- Remote configuration
- System-health monitoring



ONE LAYER, EVERY ASSET



ONE PLATFORM FROM TEST TO OPERATION

Teams do not need one tool for the stand and another for flight.

BUILT AROUND REAL HARDWARE

Moontower is designed for assets operating in labs, fields, test stands, launch sites and beyond.

COMMUNICATIONS THAT ADAPT

Different links can support the mission as range and signal conditions change.

HUMAN AND AI OPERATORS USE THE SAME SYSTEM

Mission Control exposes the platform through the interface, API and MCP server.

THE DATA STAYS TOGETHER

Telemetry, commands, operator decisions and system health can be captured within a common mission or test record.

BUILT FOR TEAMS THAT BUILD REAL THINGS

Moontower is designed for teams whose hardware leaves the desk.



UNIVERSITY RESEARCH

Spend more time on the research and less time building the infrastructure around it. Moontower gives research teams a common environment for instrumentation, communications and data collection in the lab or field.



COLLEGIATE ROCKETRY & SATELLITE TEAMS

Build. Test. Launch. Repeat. Student teams can use the same operating environment across test stands, vehicles and payloads, helping reduce the burden of rebuilding tools as teams and missions change.



SPACE & HARDWARE STARTUPS

Keep your engineers focused on your product. Moontower is designed for small teams that would rather buy the telemetry, communications and test infrastructure around their product than dedicate scarce engineering resources to building it themselves.

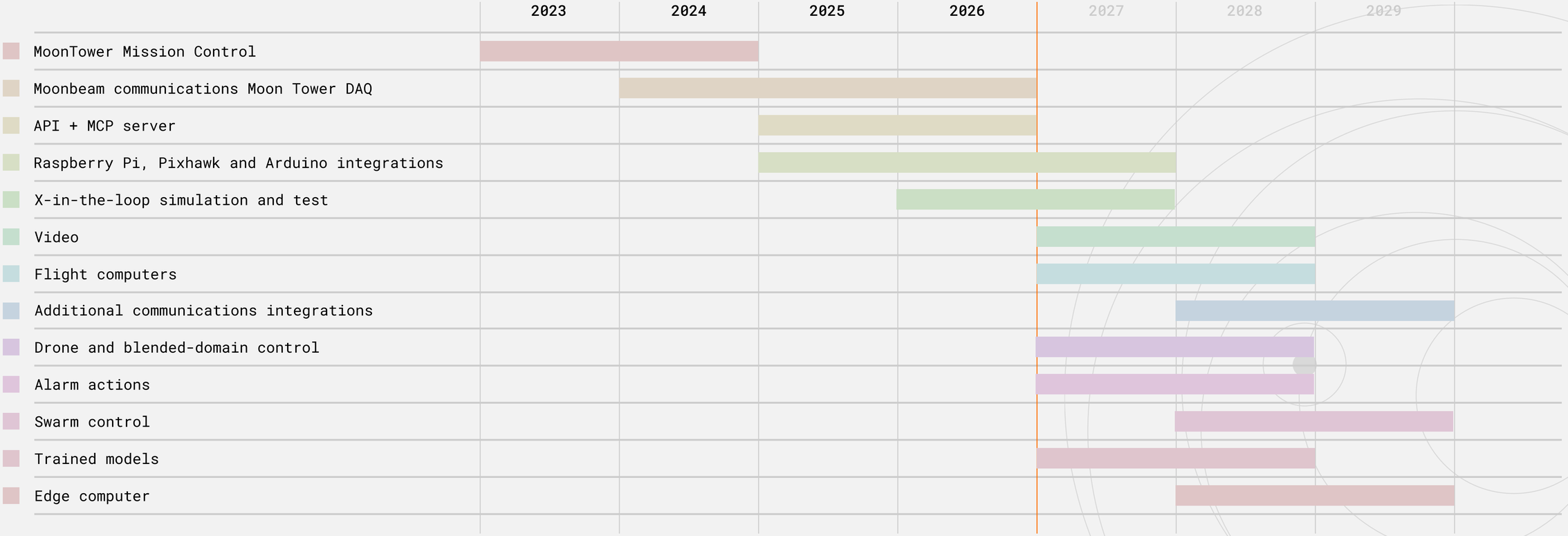


INDEPENDENT BUILDERS & FIELD OPERATORS

Connect distributed assets across real-world environments. Moontower can support hardware, sensors and assets operating across changing or unreliable networks, with adjacent applications identified for USVs, ROVs and long-duration research stations.

BUILT TODAY. DESIGNED FOR WHAT COMES NEXT.

Moontower is a growing platform. New integrations and features will be added every year.



ZERO2ONE
SPACE

We turn technical solutions into products.
Moontower is one part of a broader Zero2One Space portfolio built around a common mission:

TURN PROMISING TECHNOLOGY INTO PROVEN, OPERATIONAL CAPABILITY.

www.zero2onespace.com

Preorder my DAQ

Get updates

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