

# Naldova (Formerly Maldova) Planetary Profile

Reference Code: NALD-PLAN-001

Sector: Mid Rim, Outer Periphery

Classification: Geologically Volatile, Class M (Modified/Hostile)

Designation: Tier-4 Manufacturing Hub (Specialized)

Primary Industry: Extreme Environment Engineering, Molecular Containment Materials

## I. Overview and Environment

Naldova is a Mid Rim planet primarily characterized by its profound geological instability and unforgiving climate. It was originally cataloged as "Maldova" but renamed following a minor cartographical error that persisted due to the planet's historical obscurity. Life is scarce, relying almost entirely on subterranean extremophiles, forcing any surface habitation to be completely self-contained and heavily reinforced.

### A. Atmospheric Composition and Toxicity

The atmosphere of Naldova is a heavy, methane-sulfur mix, rendering it profoundly toxic to most humanoid life forms.

- **Atmospheric Pressure:** Marginally higher than standard, requiring enhanced structural integrity for all habitats.
- **Toxicity:** The air carries concentrated corrosive particulates (**RLS-H3 Hazard**), leading to rapid degradation of standard alloys and electronics. Clone Troopers require sealed, full-pressure armor and frequent external decontamination cycles after any excursion.
- **Visibility:** The sky is permanently shrouded in thick, ochre-colored sulfur clouds, limiting natural light and necessitating high-power active lighting for all surface operations.

### B. Climate and Thermal Extremes

Naldova maintains a perpetual state of thermal flux, cycling rapidly between severe sub-zero cold and brief, intense periods of superheated volcanic venting.

- **Ambient Temperature:** Average surface temperature is  $\sim -45^{\circ}\text{C}$ .
- **Thermal Danger Zones:** Due to the thin crust, localized surface hotspots from magma flows and geysers can reach temperatures exceeding  $1,000^{\circ}\text{C}$  without warning. MEC's extensive use of thermal blanketing and heat-sink liners is a direct consequence of needing to survive this dual thermal threat.

## II. Geological Instability and Resources

The entire crust of Naldova is fractured and highly unstable, providing both the planet's

greatest threat and its primary economic value.

## A. Constant Seismic Activity

Naldova is notorious for its **constant, unpredictable seismic activity** (the primary training ground for MEC's **Layered** design pillar).

- **Tremors and Faults:** Daily surface tremors are common, requiring all MEC-designed assets to be secured with robust anchoring systems (like the **HAK-1 Hydraulic Anchor Kit**).
- **Volcanism:** Massive dormant and active shield volcanoes dot the surface, providing access to the immense geothermal energy tapped by MEC's **MEC-T4 Geo-Thermal Power Tap** to achieve self-sufficiency.

## B. Strategic Mineral Deposits

The intense pressure and heat generated by the seismic activity have forged rare, highly durable, and chemically inert mineral compounds.

- **MEC-Bonding Agents:** Naldovan minerals are the key components in the molecular bonding agent used to create the triple-layer shell of the **LCU-3 Liquid Containment Unit** and the vacuum seals of the **SCU-10 Cryogenic Unit**. The purity and resilience of these local materials cannot be replicated cheaply elsewhere, securing MEC's exclusive contract for these vital RSU types.

## III. Maldova Engineering Corporation (MEC) Presence

MEC's entire corporate identity is intrinsically linked to Naldova's hostility. They are the sole functional large-scale entity on the planet.

- **Headquarters: "The Vault":** MEC's central command, R&D, and primary manufacturing facility is constructed deep within the caldera of a supervolcano. "The Vault" is a massive complex of interconnected, pressure-sealed, hexagonal modules, drawing continuous, stable power from the geothermal source below. It is the definitive example of the MEC design doctrine in practice—a facility designed for total operational isolation.
- **Strategic Value to GAR:** Naldova itself is not a combat zone but a crucial **logistical guarantor**. By producing the specialized RSU containers (Type-3 and Type-10) and extreme-environment structures (A-7 Aegis Bunker) on a planet that tests their limits daily, MEC provides the GAR with an unparalleled level of confidence in their deep-field and hazardous-environment deployment assets. MEC's continued stability is vital to the Republic's ability to wage war on non-standard worlds.