



Dr. Guido Demedici
Samarium Group Corporation

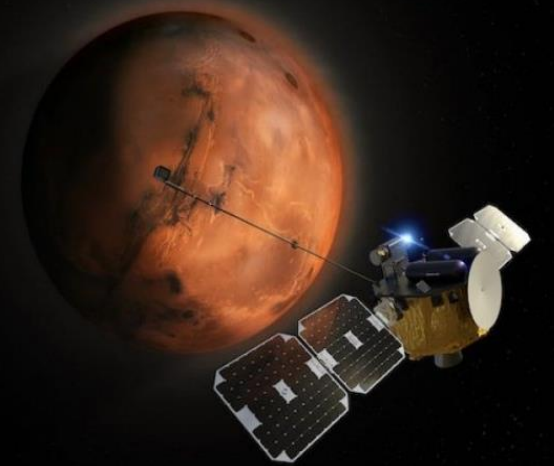
neom@samarium.group
www.samarium.group
my.samarium.group

**100% Reliable
Sub-Inch
High-Precision Navigation
for
SpaceX' Mars or Moon Missions**

How do you land on the Moon or Mars without proper high-precision navigation systems?

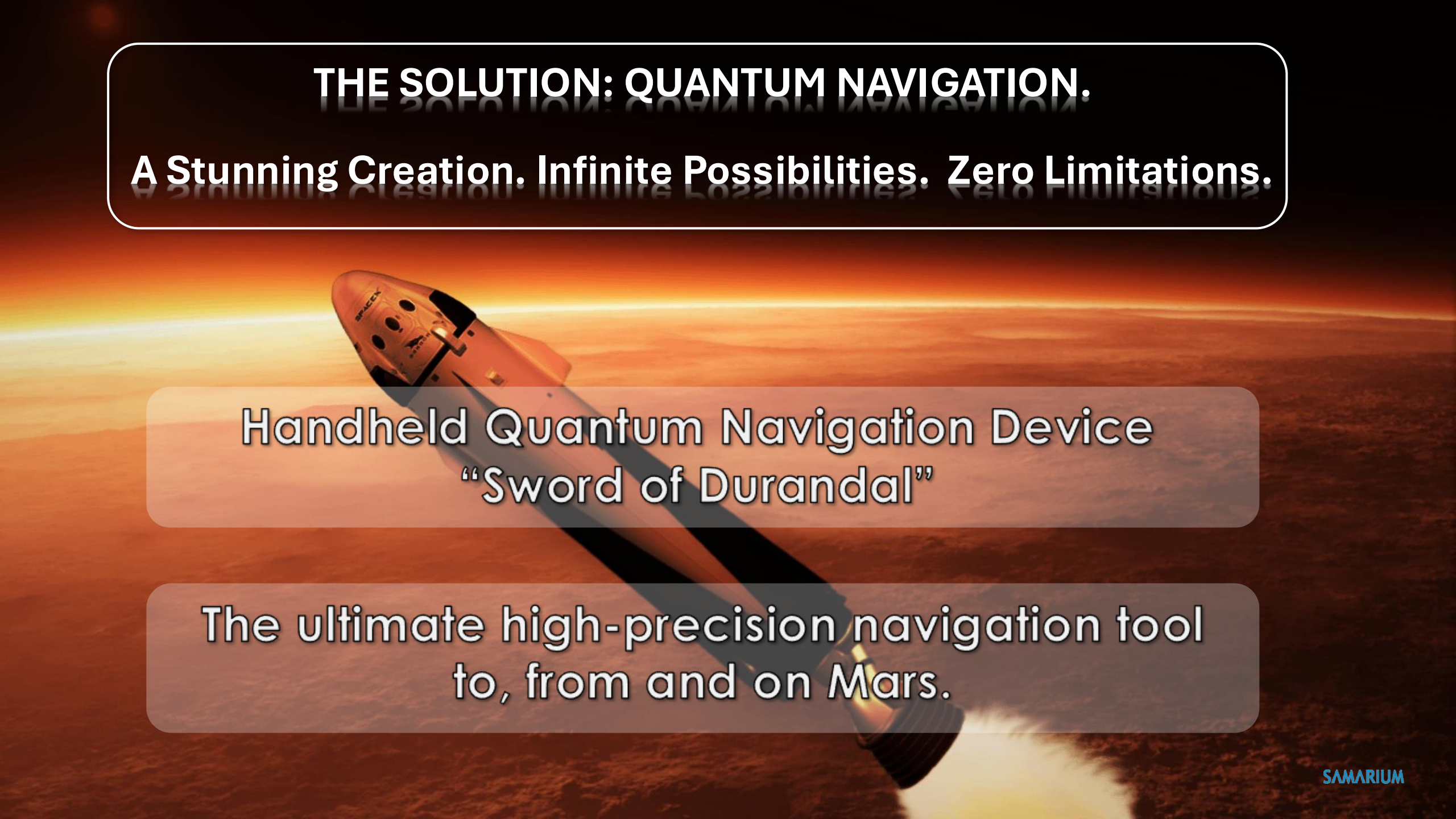
- GPS: Earth only & severe restrictions.
- Inertial Reference Systems: imprecise.
- Star Reference / OpNav systems: imprecise.
- Radio Navigation Deep Space Networks: imprecise.

NONE of the existing navigation systems enables precise Moon or Mars landings.



THE SOLUTION: QUANTUM NAVIGATION.

A Stunning Creation. Infinite Possibilities. Zero Limitations.



**Handheld Quantum Navigation Device
“Sword of Durandal”**

**The ultimate high-precision navigation tool
to, from and on Mars.**



The Break-Through Solution: Introducing Quantum Navigation in pocket format.

Works in ALL Places where GPS does not !

Navigate. Locate. Track. Guide. Steer. Find!

Anytime! Anywhere! Anything!

Unprecedented Precision !

CanNOT be hacked, spoofed, or interfered with !

CanNOT be jammed !

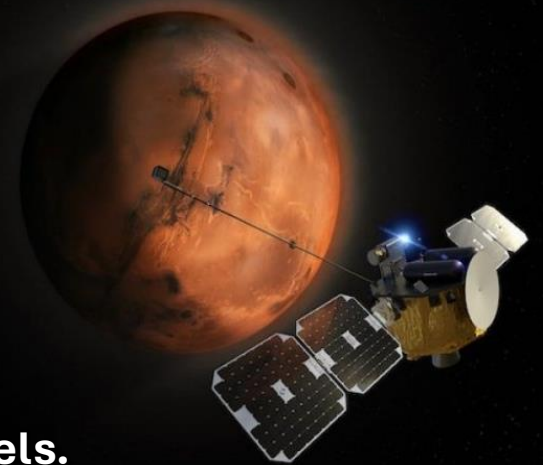


Quantum Navigation gives anywhere & everywhere highly precise position data.

Quantum Navigation also works in all areas, where current mainstream navigation systems like GPS, IRS/INS, OpNav or DSN do not work.

Quantum Navigation works in:

- **In the deep space.**
- **On the planets.**
- **Inside buildings.**
- **Between high-rises.**
- **In deep valleys.**
- **Under a canopy of trees.**
- **In the deep sea.**
- **Underground, in mines and tunnels.**



Quantum Navigation: Sub-inch precision anywhere.

SWORD OF DURANDAL



QUANTUM NAVIGATION DEVICE

SWORD OF DURANDAL



QUANTUM NAVIGATION DEVICE

A Revolution in Science & Engineering !

Quantum Navigation has arrived !

**Meet the successor to GPS: The “Sword of Durandal”.
Navigate. Track. Survey. Anything. Anywhere. Anytime.**

THE SWORD OF DURANDAL – a next generation quantum navigation tool to cut through all obstacles and resolve all shortcomings and vulnerabilities of traditional GPS navigation systems:

SWORD OF DURANDAL – Navigate. Track. Survey. Anything. Anywhere. Anytime.

The vulnerabilities, epidemic unavailability and limitations of traditional satellite-based navigation systems are well-known. The situation regarding navigation systems based on terrestrial stations is even worse. The revolutionary product **Sword of Durandal is the ultimate solution.** It uses quantum mechanical inertia physics to resolve the problems of GPS. It is a revolutionary quantum physics based navigation device, which works anywhere and anytime.

The Sword of Durandal has the capabilities to fully replace GPS and all other GNSS satellite and terrestrial navigation systems. Plus, in

addition, it will work anywhere and anytime, where GPS does not. Contrary to GPS. The ability to work without satellites and without terrestrial stations, and to nonetheless determine positions, travel routes, trajectories, and movements in 3-dimensional space at a much higher accuracy than GPS, sets it apart from all other navigation systems. Its additional ability to work in spaces that so far have been inaccessible to GPS makes it the ultimate all-round ultimate solution. Put it to test under water, in the deep sea or underground deep inside mountains, under a thick forest canopy, inside buildings or in deep space.



THE FEATURES



14 cm x 7.5 cm
x 3 cm



151 g



USB C connection



WiFi enabled.



HD Camera
1080p



1350 mAh



7 day battery life
(in standby mode)



Modes for different
Activities, incl
Variometer



Color Display /
Sunlight Display



Bluetooth
enabled



1 TB onboard
memory



G-Sensor



Water resistance
till 70 meter
depth



We are developing a new product as a solution for the epidemic problems of GPS: The "Sword of Durandal" is a revolutionary new handheld quantum navigation device that uses inertia physics at quantum mechanical levels to determine its position anywhere anytime at unmatched accuracy. A prototype is in development.

The „Sword of Durandal“ is a fitting name for a pocket device in development that will open a new chapter in navigation, tracking and surveying. Like the famous historical sword, our quantum device will cut through all known GPS problems and represents a simple and elegant yet powerful solution. It will cut your path to wherever you want to be, at unmatched accuracy.

The „Sword of Durandal“ has the following advantages over GPS / GNSS systems:

- **No satellites required.**
- **No land stations required.**
- **Completely self-contained, self-reliant and independent device that does not need any outside support, nor does it need any “signals” in order to work.**
- **It cannot be manipulated. It cannot be interfered with. It cannot be hacked.**
- **Nobody can turn its service off or on except the device owner.**
- **Autonomous vehicle support.**
- **Unmatched accuracy and reach. It is estimated to be at least one million times more accurate than the best GPS signal.**
- **It works anywhere! It works in the deep sea, underground in mines, in tunnels, in caves, in space, in buildings, in tight canyons or between high rise buildings. You could even fly to the far side of the Moon or Mars with its assistance.**
- **It can connect to all major digital mapping systems.**
- **It can be used for air, marine, terrestrial and space navigation, tracking and surveys, plus any engineering application.**
- **It determines autonomously positions, travel routes, trajectories, and movements in 3-dimensional space.**





SAMARIUM
Sword of Durandal

Quantum Nav XL

Speed **2.7m/h**

Distance to Next **0.17m**

Time to Next **3:28**

ETA at Dest **12:04P**









SAMARIUM
Dive Computer

Speed 2.7 m
ETA at Depth 12:04
Time to Next 3:28
Distance to Next 0.17 m

W N E S
SE SW NE NW

7 7







Contact for more information:



Dr. Guido Demedici, neom@samarium.group