



HUMAN CAPITAL × AI

The UNSDG Sustainable Business Challenge

Powered by SEL. Co - created by AI. Designing human-centered solutions for global sustainability

Team

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PROTECT MANTA RAYS- BEFORE THE OCEAN FALLS SILENT

From Awareness to Action



MantaWatch

A global community education and monitoring network against targeted manta-ray fishing and grill-plate trade.



1- THE HUMAN CRISIS

A global threat beneath the surface

the problem chain



Why It Is a Human Problem?

- ➔ Manta rays are important members of marine ecosystems.
- ➔ Coastal communities depend on healthy oceans for tourism, livelihoods, and local development.
- ➔ Population decline can weaken biodiversity and reduce the benefits communities receive from healthy marine environments.
- ➔ Local leaders need reliable knowledge, cooperation, and monitoring systems to respond effectively.

A global problem requires connected community action.

2- THE HUMAN CENTERED SOLUTION

Meet MantaWatch

MantaWatch equips local governments and community leaders with knowledge, partnerships, and reporting

Our Program Pathway

EDUCATE → TRAIN → MONITOR → REPORT → FUND CONSERVATION → PROTECT MANTA RAYS

What We Do

- Deliver face-to-face workshops about manta rays, targeted fishing, and gill-plate trade.
- Connect communities with researchers and conservation organizations.
- Build a trusted network for reporting manta sightings and suspected threats.
- Train local leaders to coordinate community monitoring.
- Support funding for local manta-ray conservation projects.

MantaWatch is not only an app. It is built on dialogue, local knowledge, cooperation, and human decision-making.

3- HUMAN CONNECTION & SEL

Turning Awareness into Collective Action

Social Awareness

Leaders listen to fishers, residents, tourism workers, researchers, and conservation organizations before making decisions.

Responsible Decision-Making

Leaders use community knowledge, scientific information, and monitoring reports to choose ethical actions that protect manta rays and local livelihoods.

Our Human Mechanism

When leaders listen, communicate, cooperate, and make responsible decisions, awareness becomes collective action.

Expected Impact

Better-informed leaders - Stronger community reporting - More conservation support - Greater protection for manta rays

4-BUSINESS SUSTAINABILITY & REVENUE

Creating Sustainable Value

Who benefits?

- Manta rays and marine biodiversity.
- Coastal communities.
- Local governments
- Tourism operators.
- Conservation organizations.
- Visitors seeking responsible marine tourism.

Who pays?

- Local governments.
- Tourism businesses.
- Marine parks.
- Conservation organizations.
- Grant providers.
- Responsible-tourism partners.

What Does MantaWatch Offer?

Education workshops, leader training, community monitoring, reporting networks, and conservation partnerships.

Proposed Revenue Streams

- Education and training fees.
- Tourism-business sponsorships.
- Conservation grants.
- Partnerships with marine parks.
- Annual membership for participating organizations.

Value Proposition

MantaWatch helps coastal leaders transform conservation knowledge into measurable action while protecting biodiversity and supporting sustainable coastal communities.

Why Partners Participate

Partners gain trained community ambassadors, organized monitoring, stronger community engagement, and information to support conservation planning.

5-AI TEAM REFLECTION

AI as Our Third Teammate

AI helped us brainstorm the project concept, slogan, stakeholders, program pathway, CASEL applications, and possible revenue streams.

Its limitation:

AI could not fully understand local cultures, community priorities, enforcement challenges, or whether leaders would participate.

Our human correction:

We chose a human-led program based on workshops, dialogue, community monitoring, conservation funding, and responsible decision-making—not an automated app alone.

Human decision:

AI helped us explore possibilities, but our team made the final decisions.

MantaWatch | SDG 14: Life Below Water
Sources: IUCN Red List - CITES - Convention on Migratory Species - NOAA Fisheries - Manta Trust - FAO - Peer-reviewed conservation research

EDUCATE LEADERS. MONITOR THREATS. FUND CONSERVATION. PROTECT MANTA RAYS. FROM AWARENESS TO ACTION, EVERY COASTAL COMMUNITY CAN HELP KEEP THE OCEAN ALIVE.



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SCAN TO WATCH
Our 3-4 minutes
presentation

