Through our Mine Detection Dog Partnership Program, MLI seeks to increase the quantity and quality of highly trained Mine Detection Dogs (MDDs) working to accelerate the pace of landmine detection in countries around the world.

MLI strives to build, expand &/or enhance the MDD capacities of local demining organizations working to rid their countries of the scourge of landmines.
MINE DETECTION DOGS

- Simple ‘technology’ that detects odors found in landmines
- Efficient, versatile asset which can be used for:
  - Technical survey
  - Low-medium density minefields
  - Quality control
- Can work up to 30X faster than manual deminer with probe
- Valuable tool in demining toolbox
MDD CAPABILITIES: 1 WORKING DAY

1 manual deminer with probe

1 MDD team
MDD CAPABILITIES: 1 WORKING DAY

Manual deminer with probe

Highly trained MDD team

15 m
HOW MDDS WORK

- Trained to detect explosive “off gas” odors found in buried landmines
- Indicate presence of explosive odors using *sit and stare* response
- Work on long leash tethered to handler
- Motivated by play with handler

- Typical MLI MDD program training timeline:

<table>
<thead>
<tr>
<th>Acquisition of candidate MDDs (1 month)</th>
<th>Initial training of candidate dogs (odor compounds, block search, lane search) (3 months)</th>
<th>Pair dogs with local handlers for MDD team training course, culminating in IMAS certification (3-6 months)</th>
<th>Integration training of dog teams with other demining assets; field supervision of operational MDD teams (3-6 months)</th>
</tr>
</thead>
</table>

*Image: THE MARSHALL LEGACY INSTITUTE - Removing Landmines, Promoting Stability*
MLI MDD PROGRAM ACCOMPLISHMENTS

- 250 dogs donated to 26 indigenous demining organizations located in 11 mine-affected countries around the world
- Dogs sponsored by private American citizens, schools, companies & associations
- USG funding for training + field supervision courses
- Over 50 million square meters searched by MLI-donated dogs
- No dog lost to minefield accident
- Beneficiary organizations have often expanded MDD capacity
## MDD CAPACITIES

<table>
<thead>
<tr>
<th>Potential disadvantages:</th>
<th>Advantages:</th>
</tr>
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<tbody>
<tr>
<td>• Cost &amp; effort to sustain MDDs</td>
<td>• Faster detection/clearance capability</td>
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<tr>
<td>• Continuous investment in training</td>
<td>• Strategic deployment of all assets ➔ more efficient overall operations</td>
</tr>
<tr>
<td>• Lack of support/buy in from national authorities</td>
<td>• Ability to locate non- or low-metallic mines</td>
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THANK YOU – QUESTIONS?