RADARMILE

'Monitoring In Real Time'

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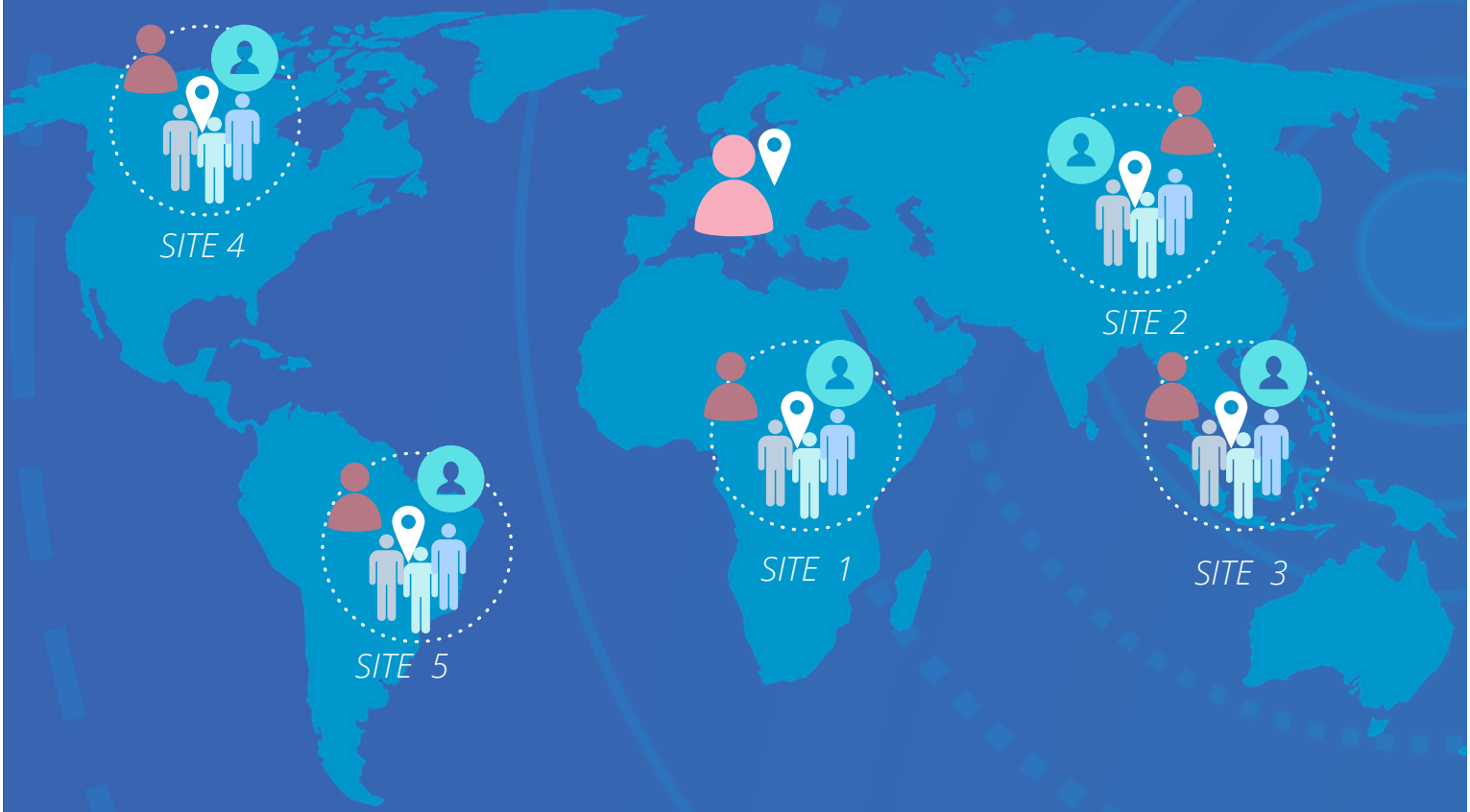
INTRODUCTION

RADARMILE
'Monitoring In Real Time'

Organizations that conduct remote and/or "multiple-site" projects which also involve multiple actors face what is called ***'the last-mile data accessibility and reporting challenge'***. This refers to the challenge that project enablers face when it comes to tracking project activities, verifying their completion and thereafter safely storing the data records to then generate reliable and timely reports.



Project Enablers
Facilitators
Service Providers & Field Officers
Beneficiaries

RATIONALE

This challenge exists mainly because the implementation strategies of such projects are mostly manual and involve little to no digitization. This large reliance on manual labor and lack of digitization means that the project enablers have to often rely on manually generated feedback reports and "word of mouth" when it comes to verifying the completion of project tasks. These factors result in a potential wast eof resources for the organizations because they are unable to effectively monitor and evaluate the performance of their projects due to the lack of timely, reliable and objective feed-back data.

TRADITIONAL METHODS

Manually Handled Data

Untimely & Possibly Subjective Manually Produced Reports

Possibly Ineffective Performance Appraisals

For such organizations and projects, **RADRAMILE** provides an effective solution. RADARMILE is a digital monitoring tool that solves this ***'last-mile challenge'*** by introducing digitization throughout the implementation strategies of such projects.

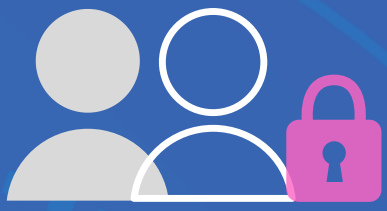
WHAT IS RADARMILE?

RADARMILE is a digital software that when implimented in such remote and/or multiple site projects, digitally tracks all project activities and changes conducted in multiple sites by multiple actors up to the 'last-mile'. RADARMILE digitally stores project activity information in real time, therefore making it easily acccessible from anywhere. RADARMILE also produces automated project reports and updates, allowing project enablers and actors to efficiently monitor these activities remotely using the objective data collected.

WHAT DOES RADARMILE DO?

RADARMILE is a software that introduces digitization in the various steps of a remote/multi-ste project's implementation process ***(eg: live milestone tracking, finger-print scanning, GPS tracking)***. Doing so not only allows information to flow easier and faster, but also makes it easier to monitor progress and verify the completion of tasks. This versatile software can be **customised** to fit the characteristics and needs of the subject project being conducted regardless of size and nature *(eg: agriculture, rural development, society aid etc...)*. With this tool, all project activities are reported as they happen, thus helping enablers to stay on top of field operations.

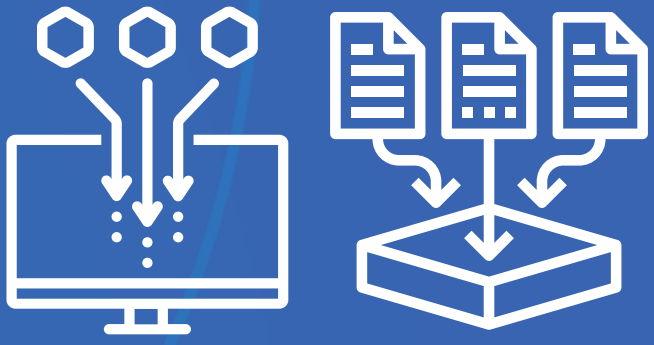
RADARMILE CAN:



PROVIDE AUTHORISED PERSONNEL WITH CUSTOMISED ACCESS TO PROJECT DATA

SAFELY STORE COLLECTED PROJECT DATA IN A CLOUD FOR REMOTE ACCESS

PRODUCE AUTOMATED REPORTS

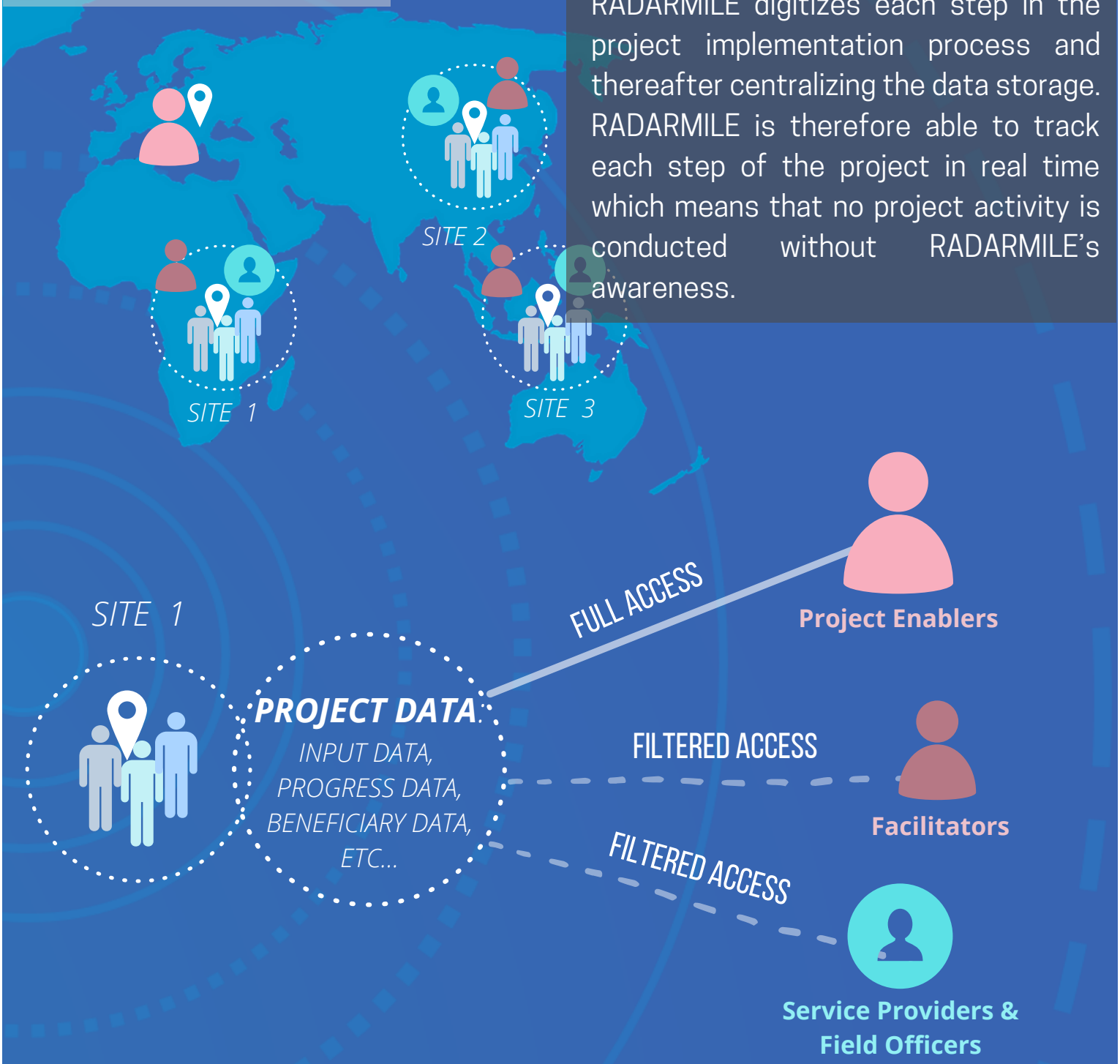


SIMPLIFY THE DATA COLLECTION PROCESS

AUTOMATICALLY TRACK ALL PROJECT ACTIVITIES & CHANGES IN REAL TIME

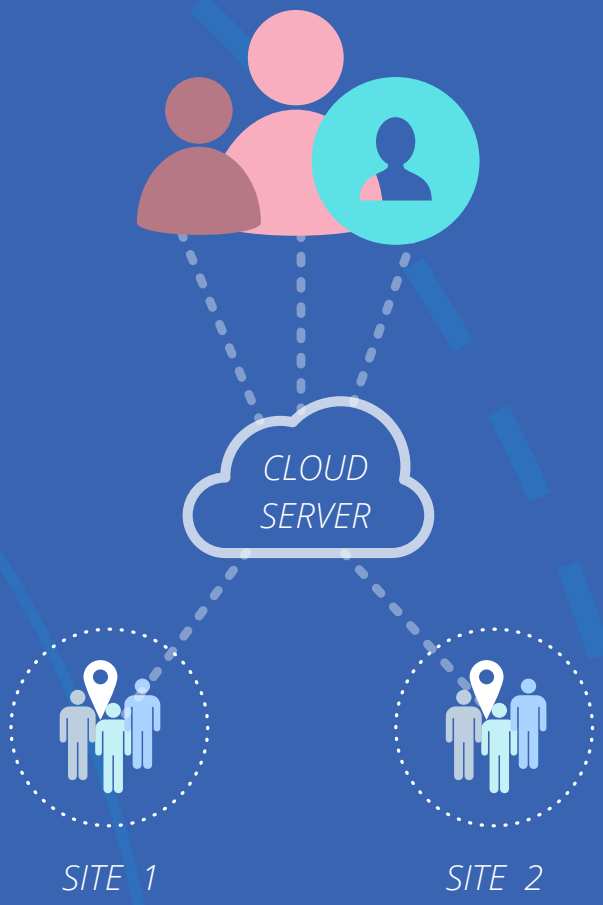
HOW DOES RADARMILE WORK?

RADARMILE digitizes each step in the project implementation process and thereafter centralizing the data storage. RADARMILE is therefore able to track each step of the project in real time which means that no project activity is conducted without RADARMILE's awareness.



The overall project data collected is shared directly with selected authorised personnel and filtered depending on the info-filtration settings (eg: Specified for Facilitators, Service Provider, Enabler's etc...) that are set when the RADARMILE tool is being introduced into the project.

RADARMILE collects real time data from various stages of the implementation process and sends it to a server for immediate, centralized and remote access by the authorized personnel. Information is analyzed by the software and tailored reports are automatically generated as needed

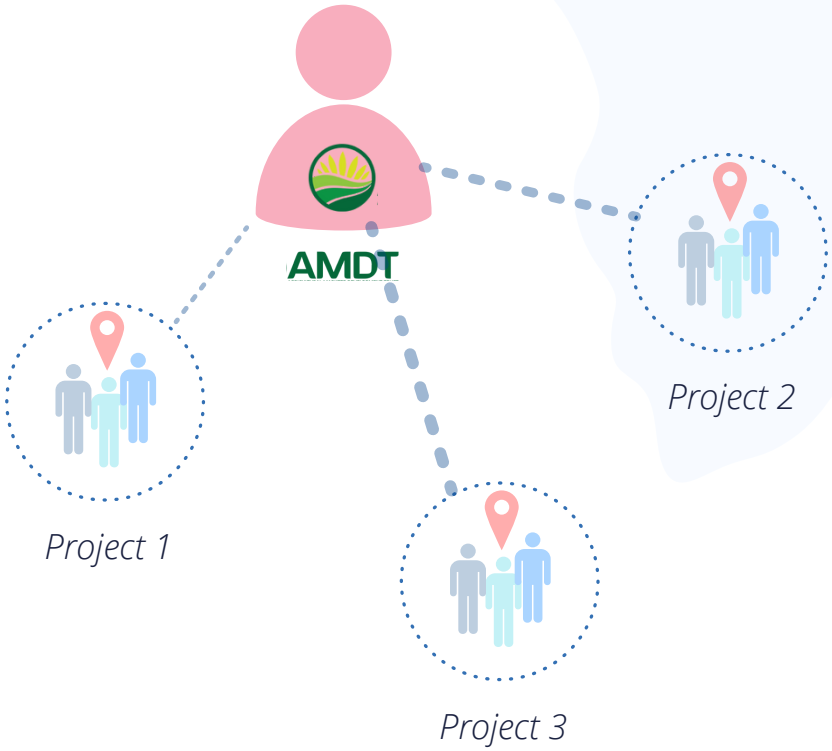


RADARMILE only requires a computer device (eg: laptop, smartphone) and internet access. However data can also be collected off-line and queued for later transmission into the server once internet access is restored.

HOW IS RADARMILE BEING USED?

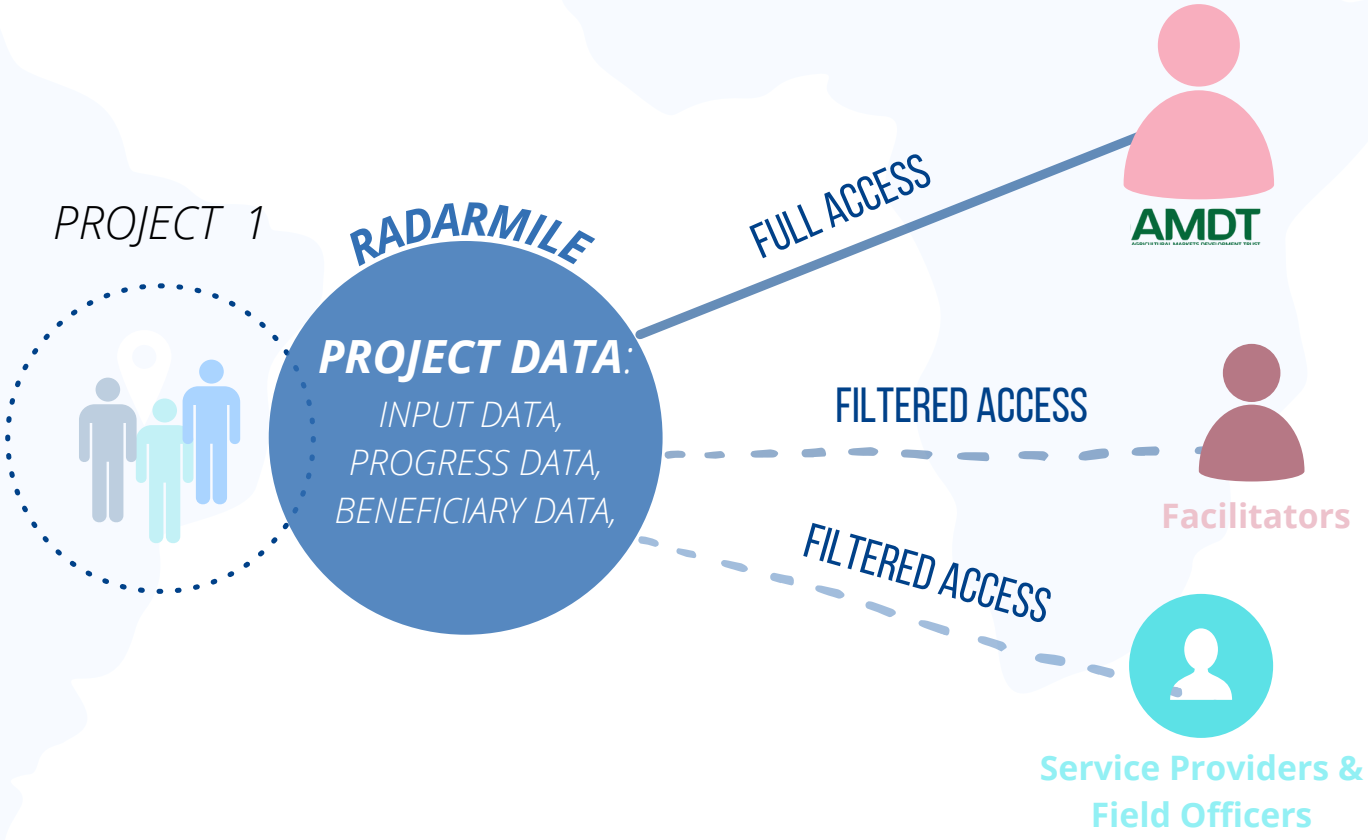
Established and funded collectively by several European governments but locally-owned, the Agricultural Markets Development Trust (AMDT) operates in Tanzania with the aim of enhancing and developing agricultural market value chains and the livelihood of beneficiaries in the rural areas of Tanzania.

With this objecctive, AMDT therefore simultaneously conducts various development projects throughout Tanzania ranging from beneficiary workshops to equipment supplying. These projects each involve multiple facilitators and actors along the way where data flow plays a crucial role in the effeciency and completion of each porject.



AMDT have recently switched form the commonly used traditional methods of monitoring and conducting such projects which involves manual processes, and the company has now adopted and implements RADARMILE in all of their projects therefore automating many of their project implementation processes.

AMDT now benefits from the now digitized project imeplementation process as well as the automated, real time and object project data and reports they receive within their fully tailored and customised RADARMILE tool.



EXAMPLE SCENARIO

AMDT launched a project that aims to boost the production of sunflowers for oil production in the southern highlands of Tanzania. This project required target beneficiaries to be supplied with sunflower seeds along with knowledge on how best to productively farm sunflowers.

AMDT first identified the benficiaries and out-sourced two facilitators where one of them was tasked with delivering the sunflower seeds to the benficiaries, and the other was responsible for conducting a workshop for the the benficiaries in their local area that taught them on how to best farm sunflowers.

Facilitator 1
Seed Supply

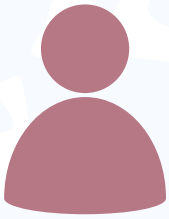
Facilitator 2
Workshop

AMDT registered each beneficiary onto their custom RADRMILE software and provided an id card with a unique barcode to each beneficiary.

AMDT gave each facilitator a sub-account within this custom software where they were rerquired to login and conduct their work within the tool. AMDT managemnet were able to set parameters within the software that dictated what activities/data the facilitators could and could not do/access within the software.

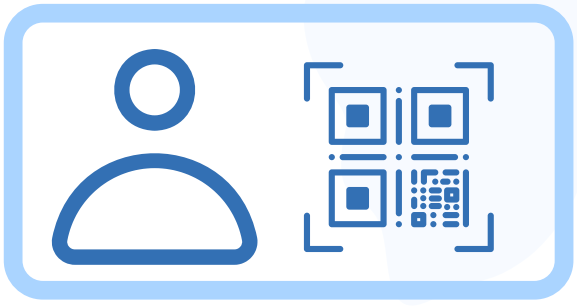
Therefore, when facilitators conducted their responsibilities via their accounts in the AMDT custom RADARMILE tool, AMDT were able to track and monitor their progress objectively and effectively using the automated progress and reports sent to their super-admin accounts within the RADRMILE tool.

For eaxmple, RADARMILE was able to track and verify that **FACILITATOR 1** had succesfully delivered the sunflower seeds to the target beneficiaries in the southern highlands by using GSP tracking, Geo-Mapping and Barcode scanning.



Facilitator 1
Seed Supply

Facilitator 1 had to travel to the southern highlands and log into their AMDT-RADARMILE account, RADARMILE then tracked the geo-location of this log-in, verifying that the facilitator did infact travel to the beneficiary location. After handing the seeds over to a beneficiary farmer, Facilitator 1 then had to scan the barcode on the farmers id card in order to verify that that particular beneficiary had been served. This barcode-scan was alos geo-mapped to verify that it was done in the right place.



This was repeated for all the beneficiaries, and the super-admins (AMDT) received an update for each handover along with automated reports at the end. The only device Facilitator 1 needed was a smartphone.

Facilitator 2 Workshop

FACILITATOR 2 was tracked and monitored similarly to Facilitator 1, where once the workshop was set up, Facilitator 2 had to scan the unique barcode of each attendee (beneficiary). This barcode scan was also geo-mapped to make sure it was conducted in the correct place. AMDT once again kept track of the total number of beneficiaries.

Using this data that was collected objectively and automatically through their custom RADARMILE tool, AMDT were able to effectively appraise not only the performance of their facilitators, but the overall success of the project as well.

AMDT could further benefit from the implementation of RADARMILE on their projects by possibly exploring the use of features such as finger-print scanning and machine learning, all of which can be added onto their custom RADARMILE tool.

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WHO DOES RADARMILE BENEFIT?

PROJECT ENABLERS & FACILITATORS

THE PROJECT ENABLERS AND FACILITATORS WILL:

- Receive and send feedback/forward faster.
- Receive accurate and tailored automated project reports.
- Have remote access to real time project data.
- Be able to objectively monitor and appraise their projects (eg: tracking milestones, identifying "ghost beneficiaries" and non-productive actors).
- Have reduced reliance on subjective, manual and untimely project reports.

SERVICE PROVIDERS & FIELD OFFICERS

SERVICE PROVIDERS & FIELD OFFICERS WILL:

- Be provided with a simpler and safer method to collect and store data.
- Be able to send and receive feedback/forward faster.
- Not have to manually produce project reports.
- Require less working tools because everything will mostly be done through a computer device (eg: smartphone).

BENEFICIARIES

BENEFICIARIES WILL:

- Be less likely to be missed by the project as everything is digitally monitored.
- Receive unbiased and monitored services.
- Receive a simpler, faster and safer way to be registered into the project (eg; finger-print)

WHY RADARMILE?

RADARMILE provides a solution to the rationale above by simplifying the project tasks and implementation process for each actor involved in the project whilst increasing the accuracy and efficiency of the implementation process.

FURTHERMORE, RADAMILE...

- IS **SIMPLE TO USE** AS IT ONLY REQUIRES INTERNET ACCESS AND A SMARTPHONE.
- **SPEEDS UP THE PROJECT** BY REDUCING MAN-HOURS SPENT IN DATA COLLECTION, VALIDATION, ANALYSIS AND IN REPORTING.
- **RELIABLY HANDLES AND TRANSPORTS DATA** BY CENTRALIZING INFORMATION AND INCREASING THE ACCURACY AND SPEED OF INFORMATION.
- IS **COST EFFECTIVE** AS IT REDUCES WORK ERRORS AND RELIANCE ON MANUAL LABOUR.
- **SIMPLIFIES THE PROJECT MONITORING PROCESS** BY INTRODUCING REAL-TIME REMOTE TRACKING AND DATA ACCESS AS WELL AS AUTOMATING THE REPORTING PROCESS.

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