ENABLING Data Driven Governance THROUGH TECHNOLOGY
DATA DRIVEN GOVERNANCE – THEORY OF CHANGE

**Vision:** To activate functional and inclusive governance structures supported by data driven decision making across different layers of the Indian governance structure

### Gaps in planning and delivery of basic public services

- **Inadequate public service systems**
  - Example: Access to clean water, limited healthcare, quality education

- **Challenges in fund allocation / execution**
  - Practice: Revising budget with standardized increment

- **Lack of tools and resources**

### Our efforts towards creating sustainable solutions

- **Creating governance tools**
  - Example: Data dashboard for insight, project tracker for operations

- **Provide on ground support**
  - Example: Facilitating implementation of village development plans

- **Improved development outcomes**
  - Example: Last mile linkage of government schemes and programs
PILLARS OF DATA DRIVEN GOVERNANCE

TECHNOLOGY DRIVEN DECISION SUPPORT SYSTEM
To Activate a data reliant culture of decision making, and enhance the data and technology discourse in Indian Governance

CAPACITY BUILDING OF STAKEHOLDERS
Capacity building of administration and other stakeholder for use of decision support dashboard and development of learning modules

STRATEGIC PARTNERSHIPS
Strategic Partnerships with government agencies and other entities

Conceptualisation of DELTA framework

DELTA Platform
DELTA Framework
Converting data into action plans
Village Development Plan – Process

Meetings with Key stakeholders to understand purpose of data usage

Finalization of questionnaires

Community mobilization & meetings in villages

Selection of volunteers

Training of Trainers

Village and Household dashboards

Village Development Plans

Data cleaning and analysis

Village level data collection process

Training of Coordinators and Volunteers

i. Village meetings and Gram Sabha approval

ii. Transect Walk

iii. Baseline Study (100% HH coverage)

iv. Social Mapping

v. Resource Mapping

vi. Facilitated villagers to assess collective needs of the village/colony

vii. Data analysis reports – incorporated into draft Village Development plans

viii. Budgets for collective needs prepared

ix. With the help of villagers prioritized the Draft Action plans

Village development plans are prepared for all villages and GPs

Plan consolidation at Village-Block-District and State level
The uniqueness of the DELTA framework is that it is capable of capturing progress at a **household & institution** level, which in turn gives a holistic picture of an administrative block.

**DELTA Plus** was started with an intention to implement data driven plans at a village level bringing in **last mile linkages** between the community & local government.

DELTA Link- [https://app.deltadriveindia.in/](https://app.deltadriveindia.in/)
DELTA - LOCALISATION OF SDG'S

- Access to clean drinking water
- Pucca Housing
- Infant mortality & health care
- Nutrition
- Access to Toilet
- Public Sanitation
- Access to electricity & clean energy
- Education and skilling
- Digital connectivity
- Financial Inclusion

Indicators under DELTA are in line with United Nations Sustainable Development Goals.
DATA DRIVEN APPROACH - PLAN CONVERSIONS

**Action plans**
- Identifying the key data points to create action plans - KPI Definitions

**Setting up goals**
- Using Action plans as a starting point to identify key goals

**Prioritization**
- Prioritization of activities within generated Action plans

**Ownership Building**
- Building capacities and ownership of community and administration on generated action plans

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**Data Driven Analytics**
- Reinforcing decision making using data driven analytics

**Support System**
- Strengthening support systems at various levels

**Data Update**
- Regular updating of Data to ensure effective decision making
DELTA DASHBOARD - OVERVIEW

Overview of data

- Total Number of Households: 92,925
- Total Population: 3,67,051
- Total No. of Anganwadi: 641
- Total No. of Schools: 612
- Total No. of Students: 68,373
- Number of Sub-Centres: 40
- Number of Primary Health Centre: 13
- Number of Community Health Centre: 10

GIS tracking

GIS tracking of Total No. of Schools.
DELTA DASHBOARD – DIFFERENT VIEWS

- View different charts / visuals
- Look at different trends through time graphs
- Ability to look at clusters via heat maps
- Download data related to an indicator for further analysis
DELTA - CONVERTING DATA INTO INSIGHTS

CRITICAL ENABLERS – Identifying factors that enhance ultimate impact of policy - e.g. School & Classroom level Infrastructure needs to be improved to further enhance education outcomes – Focus on pain points (here no provision of toilets for boys / girls)

ON TRACK – Tracking incremental progress can help decision makers also understand impact of plans

Mapping targets with government schemes / services
Identifying Targets and priorities and associated costs
Align Local Targets with Global Goals
Track Progress
THANK YOU
Delta Platform

a Trust owned configurable platform
PROBLEM STATEMENT

- No centralised platform available for Data collection- analysis and visualisation requirements
- No system with a standardization of indicators at global standards
- No platform intelligently creating the action items/Gaps basis the data captured
- No system to track the real time progress against the indicators
- No system to prioritise the action items
- No mechanism to track and correct the errors on run time
- No available mechanism to regularly update the data for indicators
- Exorbitant recurring cost incurred to develop such a system
- Lack of provision for comparative analysis of multiple indicators from different sectors
- Multiple redundant system creations- Huge costs, More turnaround time, multiple data repositories
SOLUTION IDENTIFIED

While the DELTA framework provided a methodology in collecting and analysing data for efficient pre-emptive planning, there was also a need for a robust configurable platform to support these processes and enable intake.

Indicators are monitored against target and achievement through an action plan view.

Ensuring data quality by mechanism to define constraint and skip logics with each survey.

Ensuring the quality of data by Error correction module by flagging the discrepancies during the data capturing phase.

A personalised Make My Dashboard feature to select multiple indicators from different sections of dashboard and project on single sub section, allowing you to track high priority indicators.

Update mechanism for data is an integral part of the system now, this allows to track real time progress.
Robust monitoring system

Ease of training

Real time tracking system and update mechanism

Indicators are mapped to UN-SDGs

Cost saving on multiple deployments

Enhanced analysis capabilities

Robust feedback mechanism

Targeted interventions

Partnership and collaboration opportunities with multiple teams

Own IP of the platform

Customizable platform with integrated configuration modules

Reduced deployment time

Indicators are mapped to UN-SDGs
DELT A- KEY FEATURES

DASHBOARDS AND VISUALIZATION
- Design customized indicators and dashboards
- Design thematic and regional action plans
- Ability to map indicators to SDGs.
- Get real time updates of visuals and analytics

MOBILE APP FOR DATA COLLECTION
- Offline Data Collection
- Automated data syncing in network/wifi area
- Multi-lingual Support
- Data validation checks available at both client and server side

SURVEY BUILDER
- Design dynamic surveys
- Hassle free e-Survey scripting without any coding
- Choose from variety of question types
- Design looping/nested questions
- Copy an existing form to modify and publish the form quickly

MONITORING AND ERROR MANAGEMENT
- Automated flagging of errorenous data
- Bulk pushing of errors for corrections/recollections by surveyors
- Monitor data collection on daily basis
- Track survey progress against preset targets
DELTA - KEY FEATURES

DATA UPDATE
- Editing/Updating data by preloading a survey dataset (Midline, Endline Surveys)
- Trend analysis across indicators and regions

DATA MIGRATION
- Supports migration of data from existing/legacy platforms

USER ACCESS RIGHTS
- Admin can define user access basis projects, geographies, themes and survey forms.

CASE MANAGEMENT
- Provision to maintain beneficiary histories & touch points, through project lifecycle to measure impact
<table>
<thead>
<tr>
<th>Eastern UP team</th>
<th>Objective</th>
<th>Data Driven solutions</th>
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<tr>
<td></td>
<td>Piloting a comprehensive survey of 2 panchayats across themes to create a Panchayat Development Plan</td>
<td>Detailed analysis towards end goal of the project, key performance indicators defined, consultation of effective village development plan</td>
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| Vikas Anvesh Foundation | Research of Village Organizations and SHGs in Maharashtra | Questionnaire deployed directly using DELTA and data in the form of a CSV shared with VAF team |

| NCD Screening for Cancer Care | Tracking a patient from registration to screening and following up for treatment. Representing the screening data on a real-time dashboard across all locations. | Using the survey builder and dashboard configuration feature to create forms from Camp creation to Screening to follow up on the DELTA app |

| Jamshedpur Kalinganagar corridor development | Ushering social development along with economic development of the JKC Corridor, focussing on a data driven, bottom up approach to uplift the region through institutional transformation | Deployment of DELTA platform for data collection, visualization, and VDP generations |

| Mission Gaurav | To identify migrant workers’ socio-economic needs and impact during pandemic | DELTA platform has been deployed to capture the information using the mobile app for 2.3 million household across 6 states |

| Covid assessment survey | A rapid assessment survey To take stock of the impact of pandemic | DELTA platform has been deployed conduct the rapid assessment survey |
**Village Social Transformation Mission – The Maharashtra Impact**

**VISION** - A Section 8 Company of Government of Maharashtra, created for convergence of development efforts between Central Government, State Government and Corporates. The Village Social Transformation Foundation would act as a catalyst in creating a uniform and collaborative platform for socio-economic rural transformation.

**Mission**
- Transform **1000 villages in Maharashtra**, severely affected by drought or social challenges into **Model Villages** by providing hard & soft infrastructure and quality **last mile service delivery**
- Bring about **wide-scale behavioural change** to empower villages towards **self-sustainable development**
- Build a **development model** that will be scalable across the country

Tata Trusts has led the efforts to ensure the transparent and efficient convergence of development activities at the village level, the Trusts created a **Monitoring Mechanism** to harness a **data intelligence platform using it’s DELTA framework** for conducting socio-economic analysis.