SANITRACKER • welcome to smart sanitation

the system  |  what it does  |  how it can benefit you

A digital innovation by ESAWAS REGULATORS ASSOCIATION

Developed & powered by eSAN THE E-SAN HUB

Cooperating to promote effective development of WSS Regulation
### Understanding the Sanitation Sector

#### How Sanitation Works

<table>
<thead>
<tr>
<th>The Value Chain</th>
<th>Containment</th>
<th>Emptying</th>
<th>Transport</th>
<th>Treatment</th>
<th>Recycle/Reuse</th>
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<tbody>
<tr>
<td>Infrastructure/equipment</td>
<td>![Containment Icon]</td>
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**Regulators**
- Policy Implementation, Service and Compliance Monitoring, Enforcement and Licensing

**Utilities**
- Oversight | Permiting & Sub contracting
- Enforcement | Sewer/Water Infrastructure

**Services Providers**
- Construction / Services / Maintenance
- Manual Emptiers | Exhausters
- Treatment | Value Addition

**Users**
challenges of the sanitation sector

Regulators

need **accurate data** to guide required sector interventions

Utilities

need **accurate data** for service planning and investment

Service Providers & Users

Users and service providers use **traditional methods** to request/provide services causing inefficiencies in service delivery
what is sanitracker?

Sanitracker is a system

A Mobile Application
The mobile application is a platform where users can request for and services providers offer their services

A Web Application
The web application provides tools for regulators and utilities to manage and oversee the sanitation sector

A Server
Data from operations of the regulators, utilities, service providers and users is stored in a secure web server
how sanitracker works for users

**KEY FUNCTIONS**

- Request Services
- Select Service Providers
- Pay for Services

Main functions:
- Request services, review order services
- Summary of ongoing/completed orders & total expenditure
- Itemized history of jobs & service providers

Users select service providers from accredited & licensed sanitation professionals

Application selects service providers closest to the user greatly reducing turnaround time
how sanitracker works for service providers

**KEY FUNCTIONS**

- Recieve/Accept Jobs
- Schedule Jobs
- Provide Services
- Request/Execute Dumps

**Main functions:**
- Manage jobs, dumps & clients

**Summary of upcoming/completed jobs, total income**

**Itemized summary of clients served & completed jobs**

Licensed & accredited service access large market of users

On-demand services model greatly reduces transport times & consts
how sanitracker works for utilities

**KEY FUNCTIONS**
- Oversight/Enforcement
- Dispute Resolution
- Licensing

Utilities monitor service providers and waste water treatment plants in real time (particularly for non-sewered operations)

- Summarized data of country sanitation operations
- Real time updates of sanitation jobs types & details
Regulators get a real time overview of operations of actors in the sanitation sector (utilities, service providers, and users) in their respective countries.
the sanitracker advantage

<table>
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<th>for users, service providers</th>
<th>for users, service providers, utilities</th>
<th>for utilities, regulators</th>
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<tr>
<td>work better</td>
<td>manage better</td>
<td>plan better</td>
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<tr>
<td>- Eliminates market</td>
<td>- A convenient task management tool for service providers and users</td>
<td>- Oversight &amp; monitoring using real time data from industry operations</td>
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<tr>
<td>inefficiencies in sourcing &amp; delivery of sanitation services</td>
<td>- An effective tool for service delivery &amp; industry oversight for utilities</td>
<td>- Accurate data (esp. for non-sewered sanitation) for effective policy, planning &amp; investment</td>
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UN Sustainable Development Goals - 2030

A system that scales & accelerates market-based solutions for Universal Access to Safely Managed Sanitation

Efficiency & optimization of the sanitation sector provides sustainable pathways for improved sanitation in growing communities

A solution that enhances investment, innovation and entrepreneurial solutions for access to sanitation

Data and actionable insights to enhance access to safely managed sanitation & reduce GHG emissions from wastewater (about 5%)
**AU - Agenda 2063**

- Less than 10% of Africa has access to connected sewer systems
- Non-sewered /on-site waste water systems have contributed greatly to reducing the sanitation gap on the continent
- By digitizing the sanitation sector sanitracker will:
  - Realize actionable insights for sanitation actors (regulators, utilities, entrepreneur and innovators) to accelerate & scale universal access to safely managed sanitation
  - Create opportunities for entrepreneurs, innovators & workers in the sanitation sector
The more we know, the more we unlock possibilities for:

- **Knowledge** for effective planning, policy development and governance of the sanitation sector

- **Attracting investments** by generating bankable DPRs (detailed project reports) informed by real time data and actionable insights from Sanitracker

- **Opportunities** for innovators, engineers, scientists and entrepreneurs to create/improve solutions for sanitation

- **Save Money** by acquiring real time data from activities in the sanitation sector that would otherwise require expensive research and sampling exercises

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“Knowledge is of no value unless you put it into practice”

Anton Chekhov
Russian Playwright