



GLOBAL WATER
SUMMIT 2026



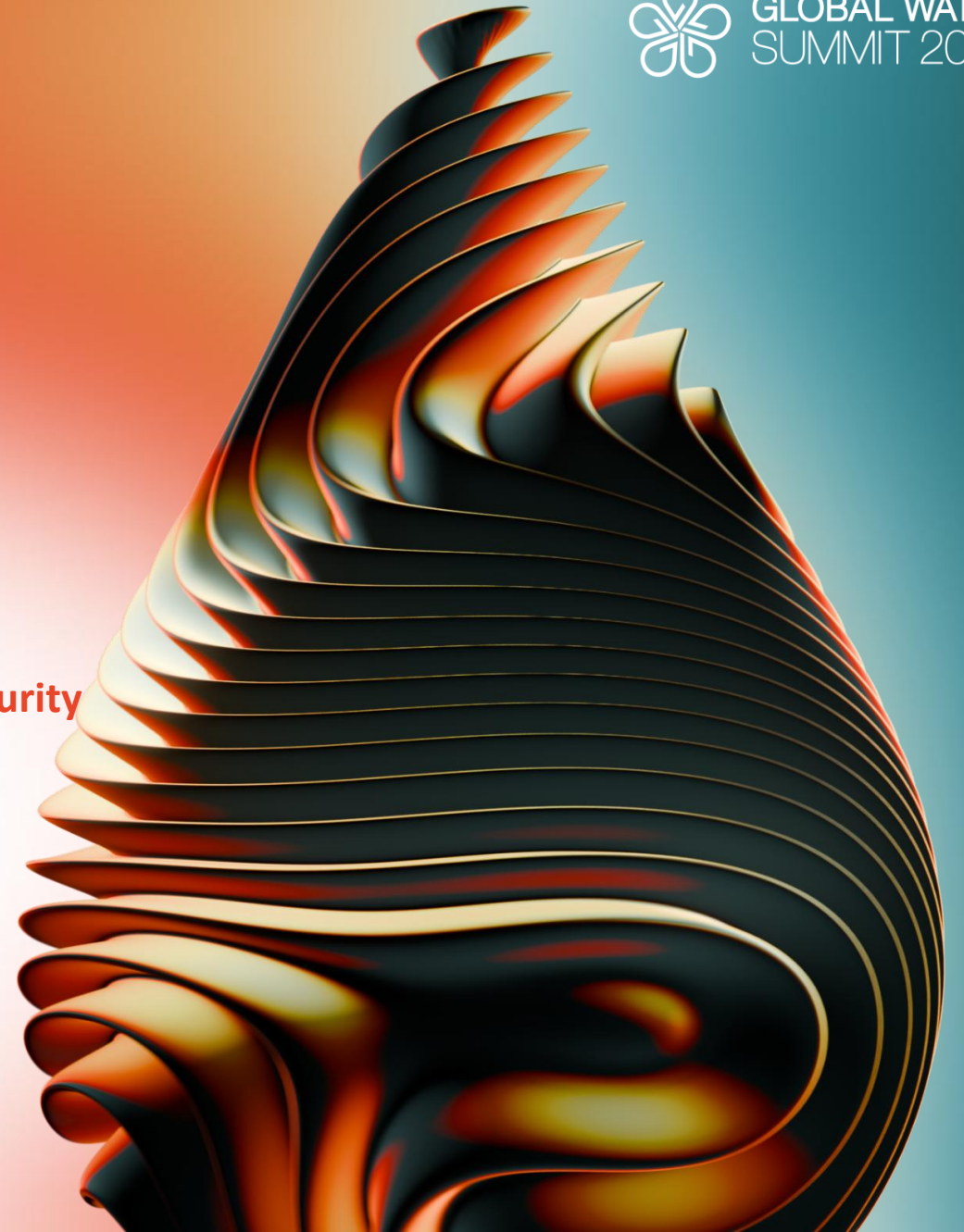
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Delivering Water at Megacity Scale

India's Transition from Infrastructure Expansion to Water Security

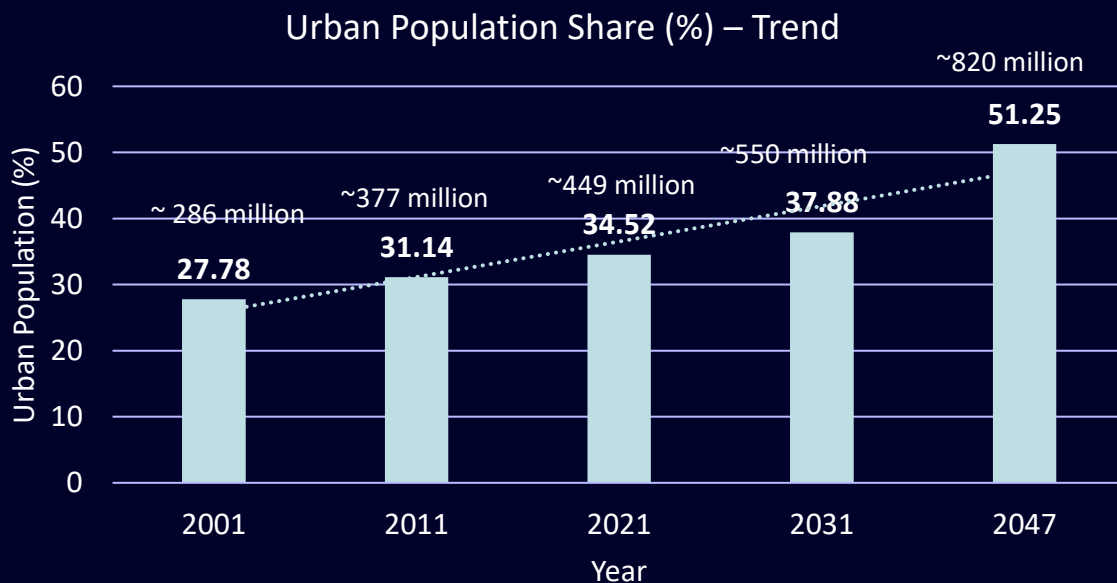
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Ministry of Housing and Urban Affairs
Government of India
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20 May 2026 | Madrid, Spain

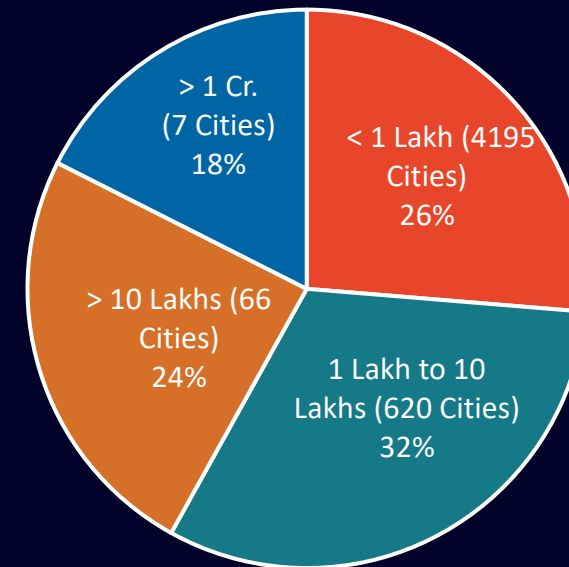


A SNAPSHOT: INDIAN URBAN LANDSCAPE

- Urban population to reach **820 million by 2047**
- Significant increase in water demand (~64%)**
- Growth driven by **7 megacities + 66 million-plus cities**
- Massive investments underway in **climate-resilient water systems**



Urban Population Distribution Share (%) by City Size – 2025



Total Population in 2025: **~499 million (49.9 Cr.)**

Total number of Cities: **4,880**

Large cities house nearly half of urban India

INDIA'S URBAN WATER SHIFT: BUILD TO DELIVER

2014 – 2026



National Mission for Clean Ganga

- **Total Outlay:** \$4.83 billion (₹40,121 crore)
- **Coverage:** Ganga basin states: ~600 million population
- **Integrated River Basin Management Approach**

2014 – 2021



Swachh Bharat Mission

- **Total Outlay:** ≈\$24.5 billion (₹2.03 lakh crore)
- **Coverage:** Pan-India: ~400 million population
- **Focus on “Garbage-Free Cities**
- **Circular Economy Approach**

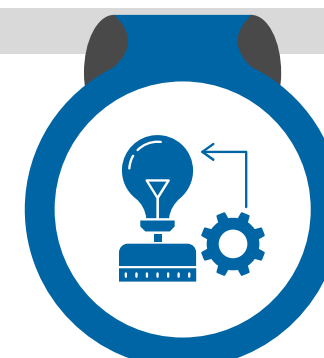
2015 – 2025



Smart Cities Mission

- **Total Outlay:** \$20 billion (₹1.64 lakh crore)
- **Coverage:** 100 cities across India: ~120 mn population
- **Area-Based Development (ABD)**
- **Use of Technology & ICT**

2015 – 2027



AMRUT

- **Atal Mission for Rejuvenation & Urban Transformation**
- **Total Outlay:** \$45-46 billion (₹3.77 lakh crore)
- **Coverage:** 4900+ cities: 499 million (total urban population)
- **Focus on Water Security**

2026 – 2031



Urban Challenge Fund

- **Total Outlay:** \$48-49 billion (₹4 lakh crore)
- **Coverage:** ULBs across India: 499 mn (all ULBs covered)
- **Cities as Growth Hubs, Creative Redevelopment of Cities, Water and Sanitation**

Infrastructure Expansion

Universal Service Delivery

Circular Cities

BUILDING WATER-SECURE CITIES: AMRUT PILLARS AND PROGRESS

1

Source Sustainability

- **Shallow Aquifer Management**
- Shift from **groundwater to surface water**
- **4,436 hectares** of green spaces created
- Water Body Rejuvenation

2

Resilient and Speaking Infrastructure

- Approved WTP capacity - **~12 million m³/day**;
- Approved/laid water network – **~122,700 miles**
- Approved/laid sewer network - **~35,440 miles**
- **More than 6 million m³/day** being reused
- **1,491 SCADA** projects & **558 sensors**

3

Water Quality and Citizen Confidence

- **27.7 million** (2.77 crore) tap & **16.8 million** (1.68 crore) sewer connections provided
- **Water Quality Monitoring Protocol**
- Approved **401 Drink from Tap** projects worth **\$3.18 billion** (₹26,573 crore).

4

Financial Sustainability and Circularity

- **Incentive** for raising **Municipal Bonds**
- Promoting circularity through **Performance based Incentive Mechanism - Jal Hi Amrit** initiative
- **Mandatory PPP** in million plus cities

5

Technology and Innovation

- Training provided in geo-spatial technology to more **~12,700 people**
- **140+ water tech startups** mapped with 82 AMRUT cities
- **Digitalization of Sewer & Water Networks**

6

Capacity Building and Community Engagement

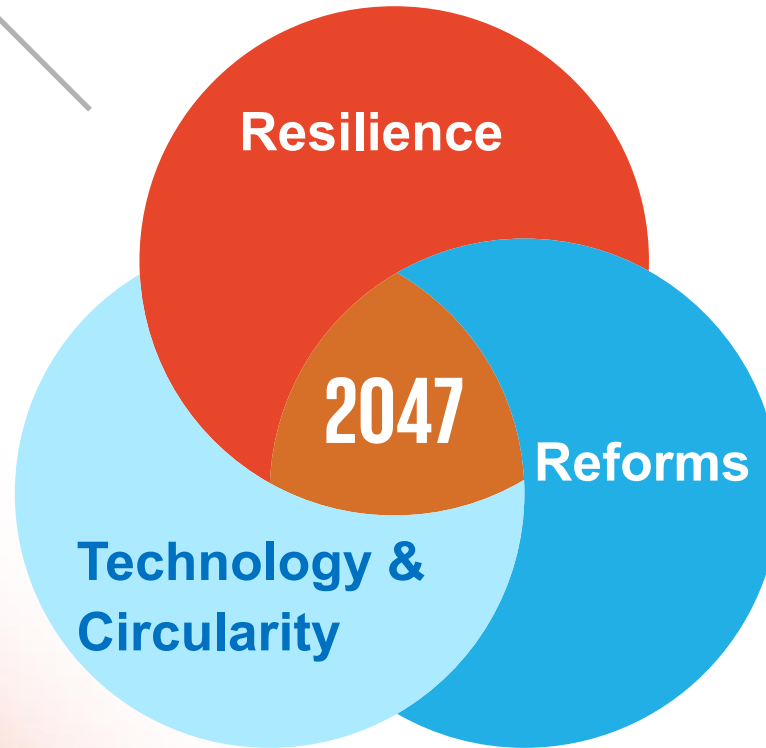
- Achieved youth involvement through gig works
- **More than 48000+** women SHG's engaged
- **100,000+** persons trained with training of contractors

VIKSIT BHARAT 2047: TRANSFORMING URBAN WATER SYSTEMS



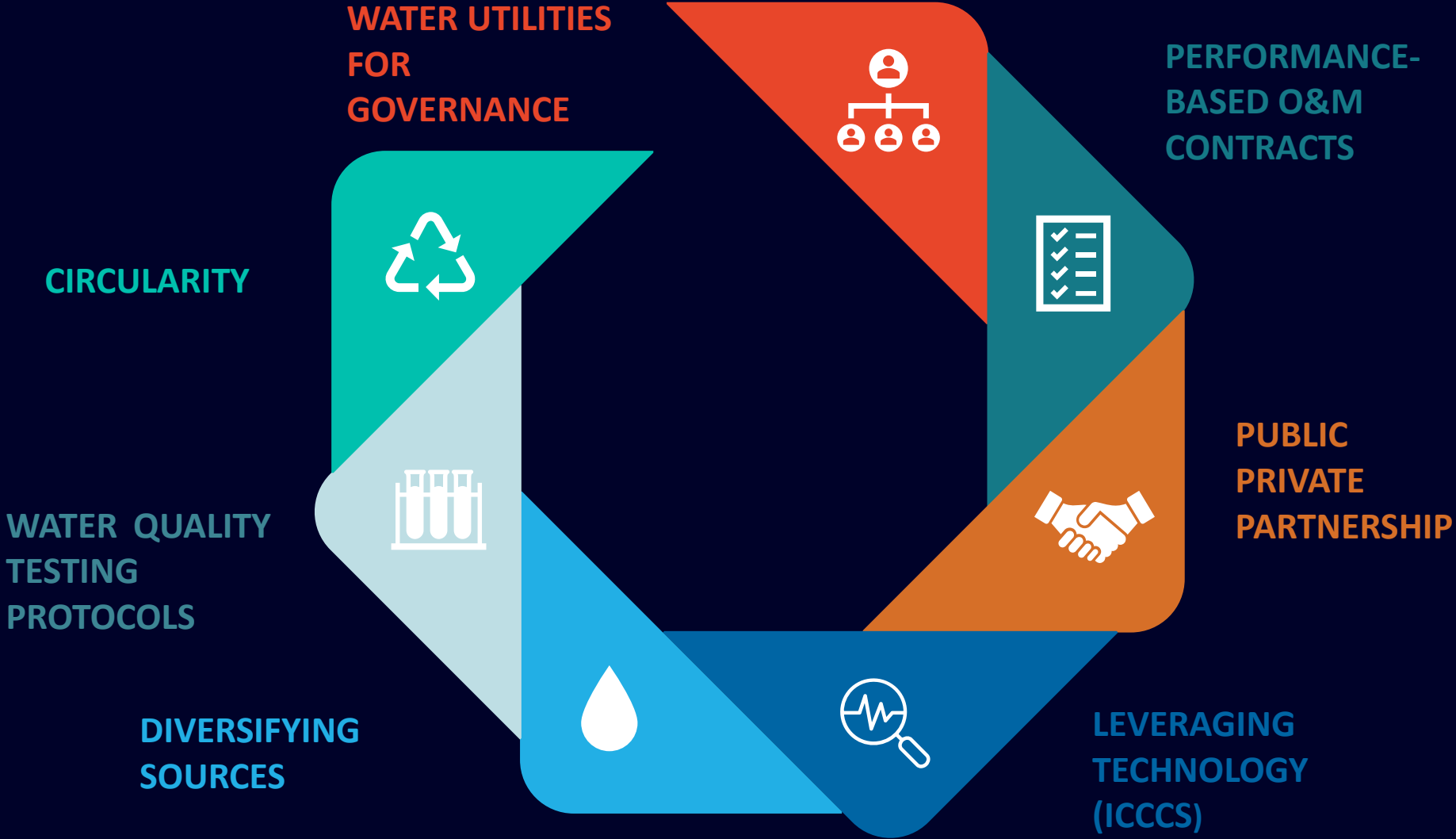
- Ensure **100% household coverage** with safe, reliable piped water supply
- Aim for **holistic development and citizen-centric service delivery**
- Strengthen **operations, maintenance**, and institutional capacity

- Leverage **digital technologies** and **data-driven governance** for efficient utility management
- Promote a **circular approach** to water management (**reuse, recycling, resource efficiency**)



- Adopt a **reform-driven approach** to urban transformation
- **Mobilize private capital** to address urban water challenges
- Promote a **utility-centric approach** to urban water management

PRIORITIES OF MEGA CITIES



TRANSFORMATIONAL PRACTICES



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Tertiary Treated Reverse Osmosis (TTRO) Plants for Industrial Water Reuse and Circularity in Chennai

Financially sustainable reuse model (user charges > O&M costs)

- **565** industries served
- Sludge processing involved
- **50,000+ MLD** freshwater saved (equivalent to ~1.5 months of city supply)
- **\$45.98 million** revenue generated annually



Integrated used water Treatment & Resource Recovery Project: Dehlawas STP

Transition from treatment-only to a circular, energy-efficient wastewater management model

- High-quality effluent meeting NGT norms
- **~87%** energy self-sufficiency through recovery systems
- **~24 MLD water** reused
- Additional revenue from biogas



Implementation of 24x7 Water Supply System in the City of Coimbatore

Integrated PPP + DMA-based smart water management model ensuring sustained service delivery

- **110,000** household connections; majority now on 24x7 supply
- **68 DMAs** operational, improving monitoring and loss reduction
- Significant upgrade in service reliability and network coverage



FINANCING THE FUTURE FOR WATER-SECURE CITIES

India is transitioning from publicly funded projects to a blended, market-driven financing ecosystem—where AMRUT builds the foundation and UCF accelerates scale.

Schematic Interventions by Government

- AMRUT 2.0
- Urban Challenge Fund

Municipal Bonds & Pooled Financing

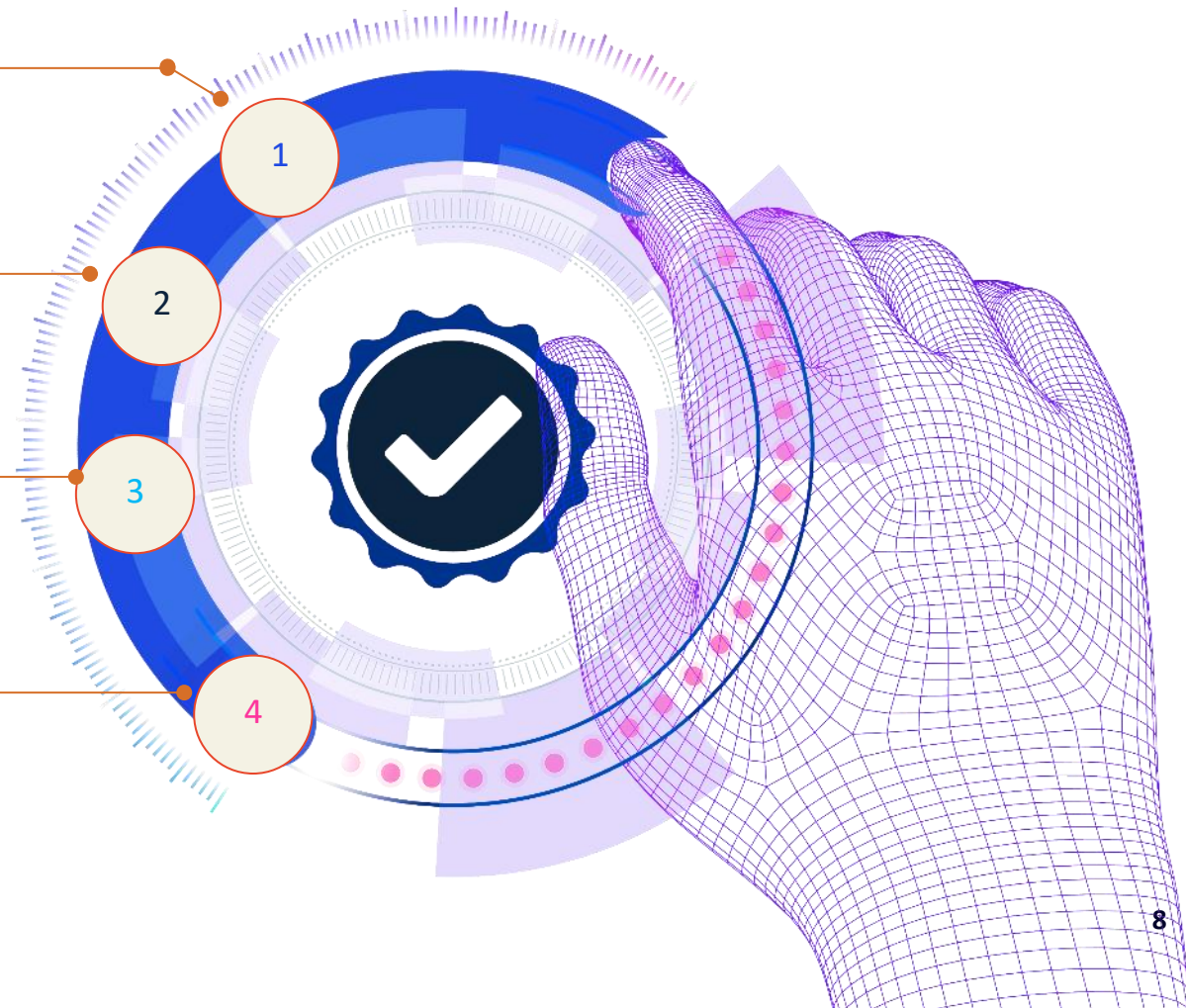
- Expanding market access for creditworthy ULBs
- Unlocking long-term infrastructure capital

Blended Finance & Credit Enhancement

- Using VGF, guarantees, and structured instruments to de-risk projects
- Crowding in institutional and private investors

PPP for Service Delivery at Scale

- Enhancing efficiency and lifecycle management
- Scaling NRW reduction, reuse, and O&M performance



THANK YOU

