

JICA TRAINING

- **JICA**
 - Japan International Cooperation Agency
 - Japanese Ministry of International Affairs
 - Supports Developing Countries
- SALGA LOI
 - Agreement With SALGA 2017
 - NRW Reduction
 - Online Training March 2022
- On-site Training
 - DWS Mandate
 - Yokohama October 2022
 - JWWA / YWWB / YWC
 - 7 RSA Participants











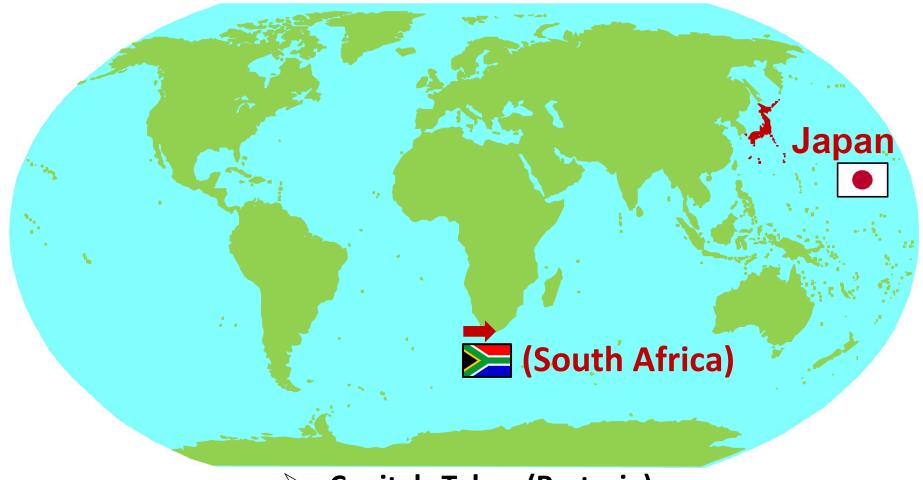








LOCALITY



Capital: Tokyo (Pretoria)

Population: 125Million (60,6Million)

Area: 337,974km² (1,219,090km²)









YOKOHAMA WATERWORKS

500km

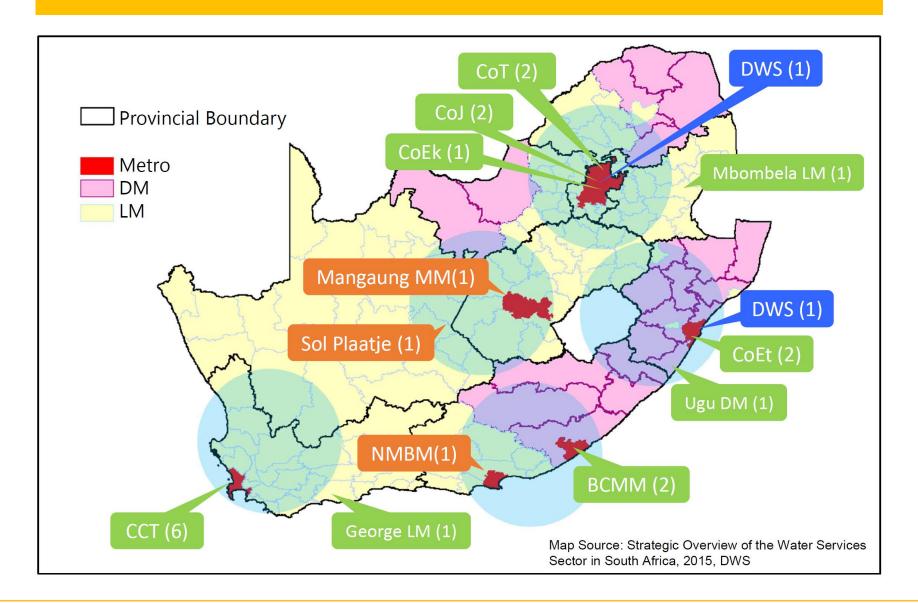
- > Start of Service: 17 October 1887 (135 Years)
- > Area: 435,430km²
- Population: 3,776,146
- Density: 8,672 people/km²
- Altitude: 5 159m
- Connections: 1,907,706
- Pipeline Length: 9,323km
- Daily Supply: 1,136ML
- Collection Rate: 99.5%
- > NRW: 7.2% (2020)







TRAINING PROGRAM









TRAINING PROGRAM

<u>Date</u>	<u>Content</u>	
12-Oct-22 (Wed)	JICA briefing	
	Programme orientation	
	Japanese study	
13-Oct-22 (Thu)	Water supply in Yokohama city	
	Human resources development	
14-Oct-22 (Fri)	Non-revenue water: NRW (lecture)	
	SA's national/municipal overview about water services	
17-Oct-22 (Mon)	Leakage detection	
	Meter Inspection and meter accuracy test	
	Tapping for service connection	
18-Oct-22 (Tue)	Water supply in Japan Water Works Association	
	Human resources development in JWWA	
19-Oct-22 (Thu)	Drawing management	
	Water distribution management	
	Nishiya pump station visit	
20-Oct-22 (Wed)	Meter reading and billing	
	Site visit to construction works	
	Quality control and safety assurance for waterworks	
21-Oct-22 (Fri)	Preparation of action plan	
	Presentation and discussion	
24-Oct-22 (Mon)	Yokohama Water Business Association (Technical Expertise & discussion)	
	Action plan presentation (1)	
	Action plan presentation (2)	
	Evaluation and certification	





TRAINING COURSE ORGANIZATION CHART

<u>EMPLOYEE</u>	MANAGEMENT COURSES	TECHNICAL COURSES	QUALIFICATION COURSES
DIRECTOR GENERAL	TRAINING FOR NEWLY APPOINTED DIRECTOR GENERALS		
TECHNICAL DIRECTOR		TRAINING FOR TECHNICAL DIRECTORS	
EXECUTIVE LEVEL	TRAINING FOR EXECUTIVE STAFF ON MANAGEMENT OF WATER UTILITIES		
ASSISTANT MANAGER		SPECIALIZED TRAINING FOR WATER	TRAINING FOR ACQUIRING QUALIFICATIONS FOR TECHNICAL
SENIOR STAFF	WATER UTILITY MANAGEMENT ADMINISTRATION / COLLECTION OF UNPAID WATER BILLS / CONSUMPTION TAX	SUPPLY ENGINEERS / PIPE LAYING / REGIONAL BLOCKS / LEAK PREVENTION / QUAKE-RESISTANT WATER SUPPLY	DIRECTORS OF WATER SUPPLY UTILITIES / WATER SUPPLY FACILITY MANAGEMENT TECHNICIANS
> 3 YEARS	IAA	FACILITIES	
< 3 YEARS	WATER UTILITY MANAGEMENT ADMINISTRATION	TRAINING FOR WATER SUPPLY ENGINEERS / WATER PURIFICATION PLANT / PIPELINE DESIGN	
<u>NEW</u> EMPLOYEES	BASIC COURSE OF WATER SUPPLY		

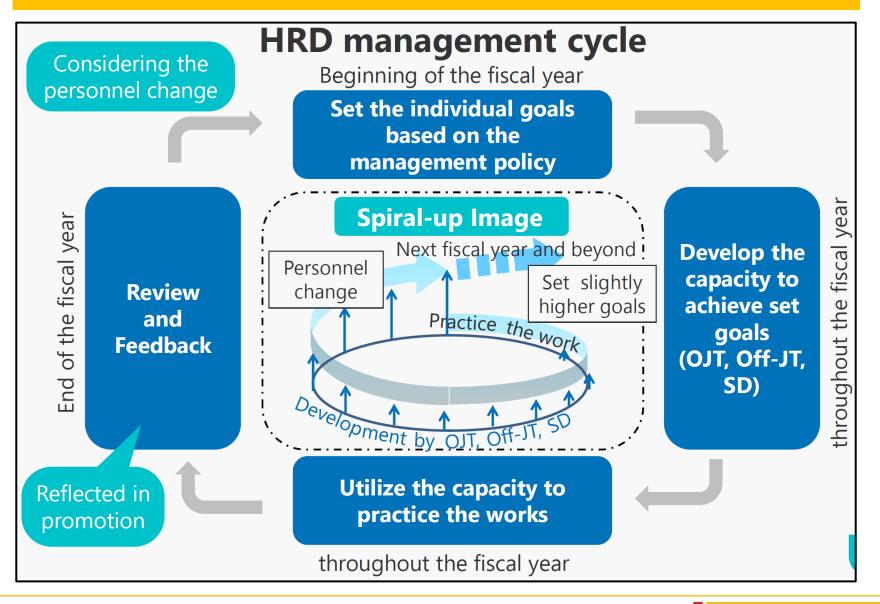


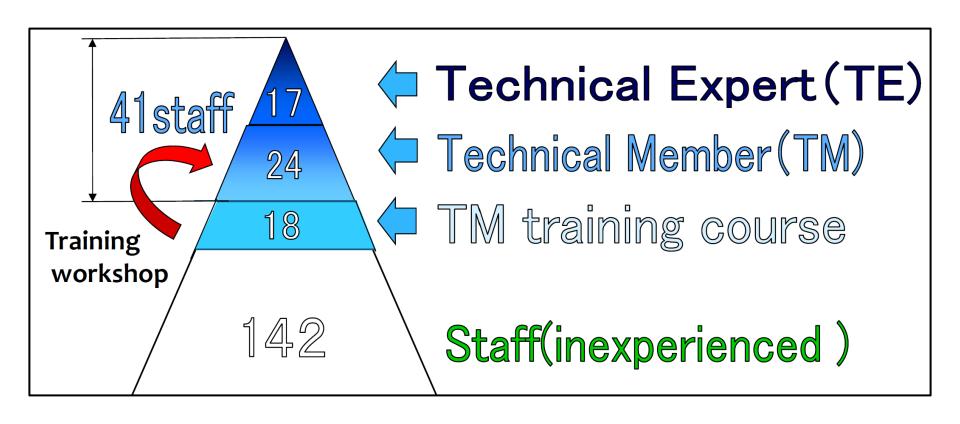






















ENGINEERING

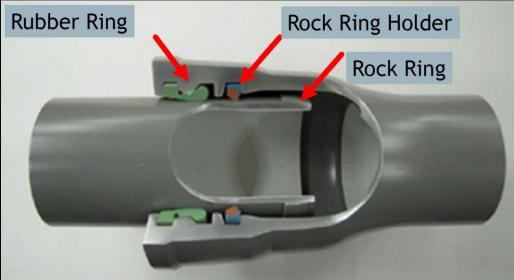




ENGINEERING

















ENGINEERING

- The Great Pressure Reducing Valve Debate
 - Why use PRV's?
 - Why not?
 - What's the alternative?
 - What are the design considerations?
 - What are the costs?
 - Can this be applied to RSA?





LESSONS LEARNED

- Never Let A Disaster Go To Waste
 - In-depth Situation & Problem Analysis
 - Detailed Planning
 - Technologically Advanced
- Culture & Work Ethic
 - Efficient & Effective Systems
 - Social Maturity
 - Civil Servants Oath
 - Clear Discipline

LESSONS LEARNED















