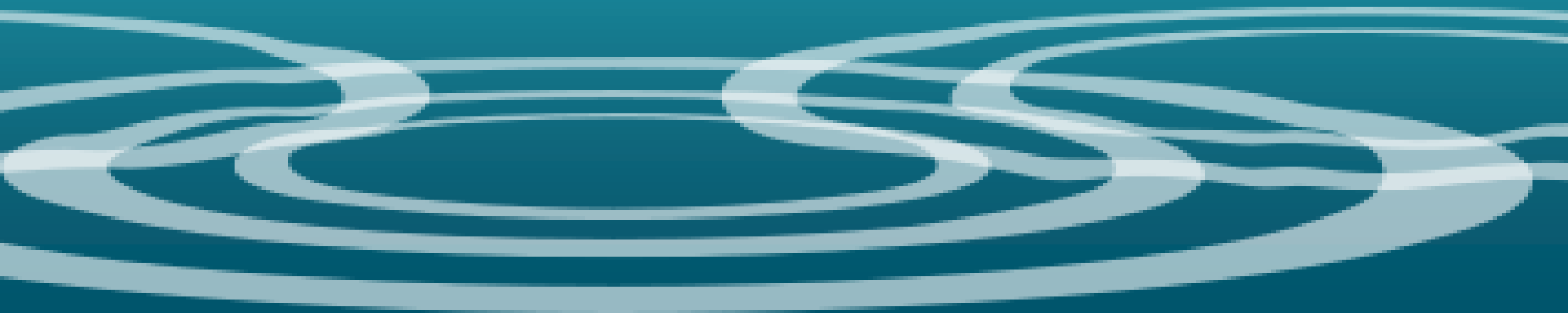


AWS Journey – Islamabad Factory

Alliance for Water Stewardship
2017 to 2021



Benefits of AWS and Level of Awareness

- Reduction in water ratio
- Better understanding of Water bodies
- Awareness of Shared water challenges
- Better commitment towards Water saving initiatives at floor level
- Stakeholder engagement activities



Certification of Site Resources



AWS journey: Capability Building at Site

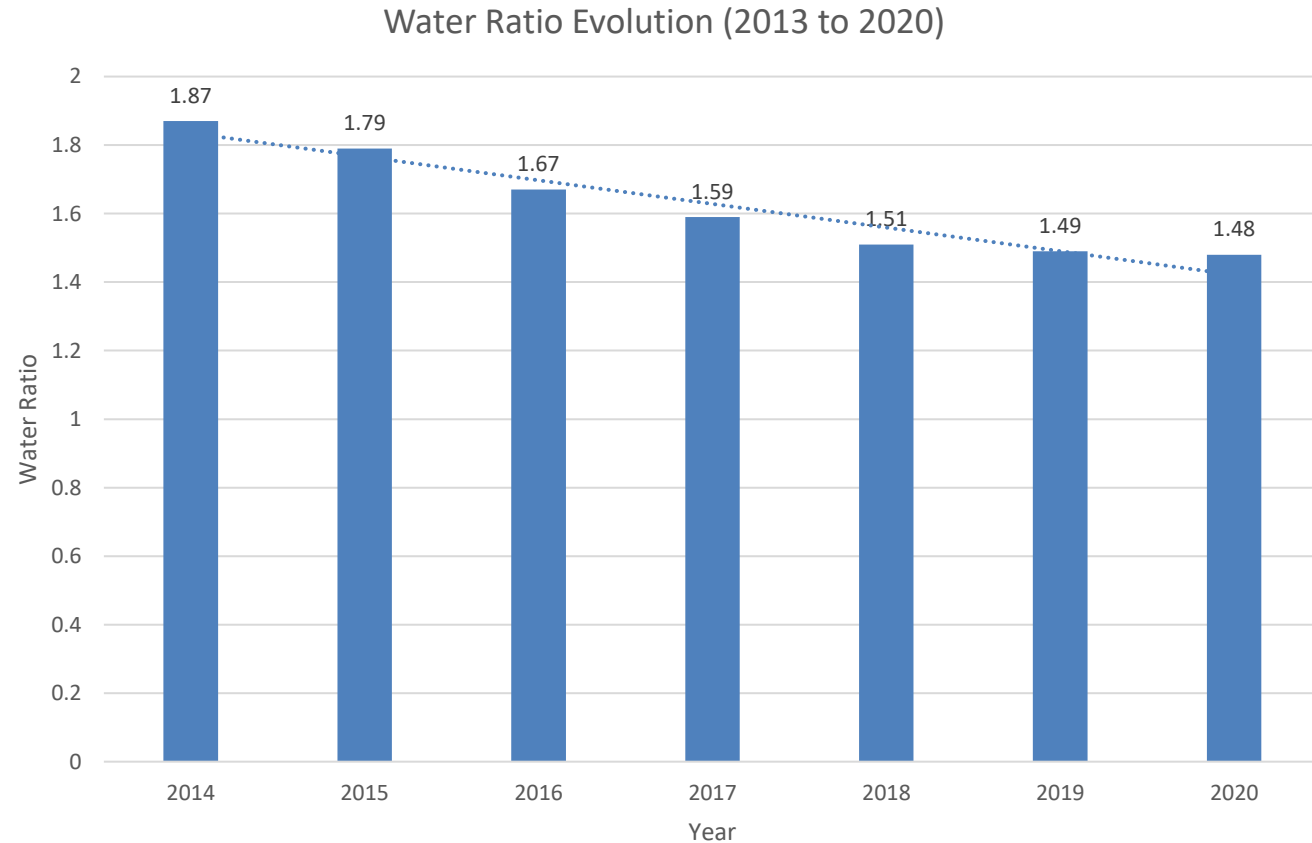


Factory Initiatives

- Rain Water Harvesting Project
- Raw water Rinsing Project
- 100 ton silo Commissioning
- 40 ton Industrial Tank Commissioning
- RO recovery from 77% to 83%
- Ozone Generator cooling unit replaced from water chilled to air chilled
- Well Flushing optimization
- Filler Flushing Optimization
- Filler Level Control
- Zero Well Flushing
- Improvement of AI from 89% to 90%, directly impacting the wastage of water
- Reduction in Water losses due to BD
- Utilization of 10 micron cartridge filters to reduce well startup flushing to zero
- Optimization of Yearly CIP plan
- Reduction in Per bottle washer consumption from 2.4 ltr to 2.2 ltr
- Water saving through elimination of cooling water during CIPs
- Reduction in line flushing and Carbon filter flushing

Reduction in Water Ratio (m³/ton) 2013 - 2019

- 21% reduction in water ratio from 2013 to 2020



CSV Projects



- ARTT Drip Irrigation with NARC.
- Monsoon tree plantation in collaboration with CDA at Lake View Park.
- Plantation at rear plot on Independence Day Celebration (2017 & 2018).
- 5000 Tree Plantation at various locations in Islamabad in collaboration with MCI in 2020.
- Landscaping of street 3 of I-10/3 Industrial area
- Feasibility study for Check Dams and Injection Wells .
- Rainwater harvesting installation in girls' school in Islamabad.
- Soil moisture sensors installation within hydroshed of Islamabad plant.
- Provision of drinking filters for water cooler in girls' school in Islamabad.

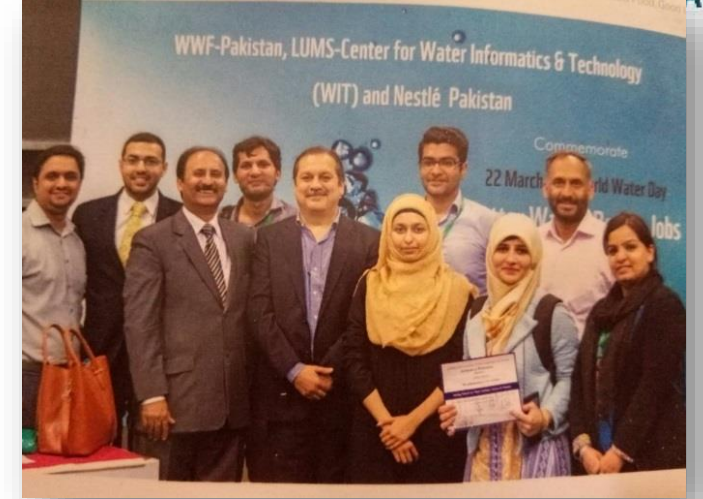
Local Stakeholder Engagements



Engagement with SDPI



Meeting with neighboring industry



Workshop arranged by Nestlé & LUMS



MoU signing between Nestlé Pakistan & WWF for AWS standards



Nestlé Pakistan Water Launch at LUMS

Local Stakeholder Engagements



MoU Drip Irrigation b/w Nestle & NARC



WWD celebration at ISF



Monsoon Tree Plantation with MCI



Tree Plantation at Rose and Jasmine garden with MCI



Tree Plantation at ISF

AWS Certification way forward...

- AWS pre-assessment conducted satisfactorily by BV with no NC.
- AWS certification obtained in Dec. 2017.
- AWS recertification audit planned in July, 2021.





Thank You !