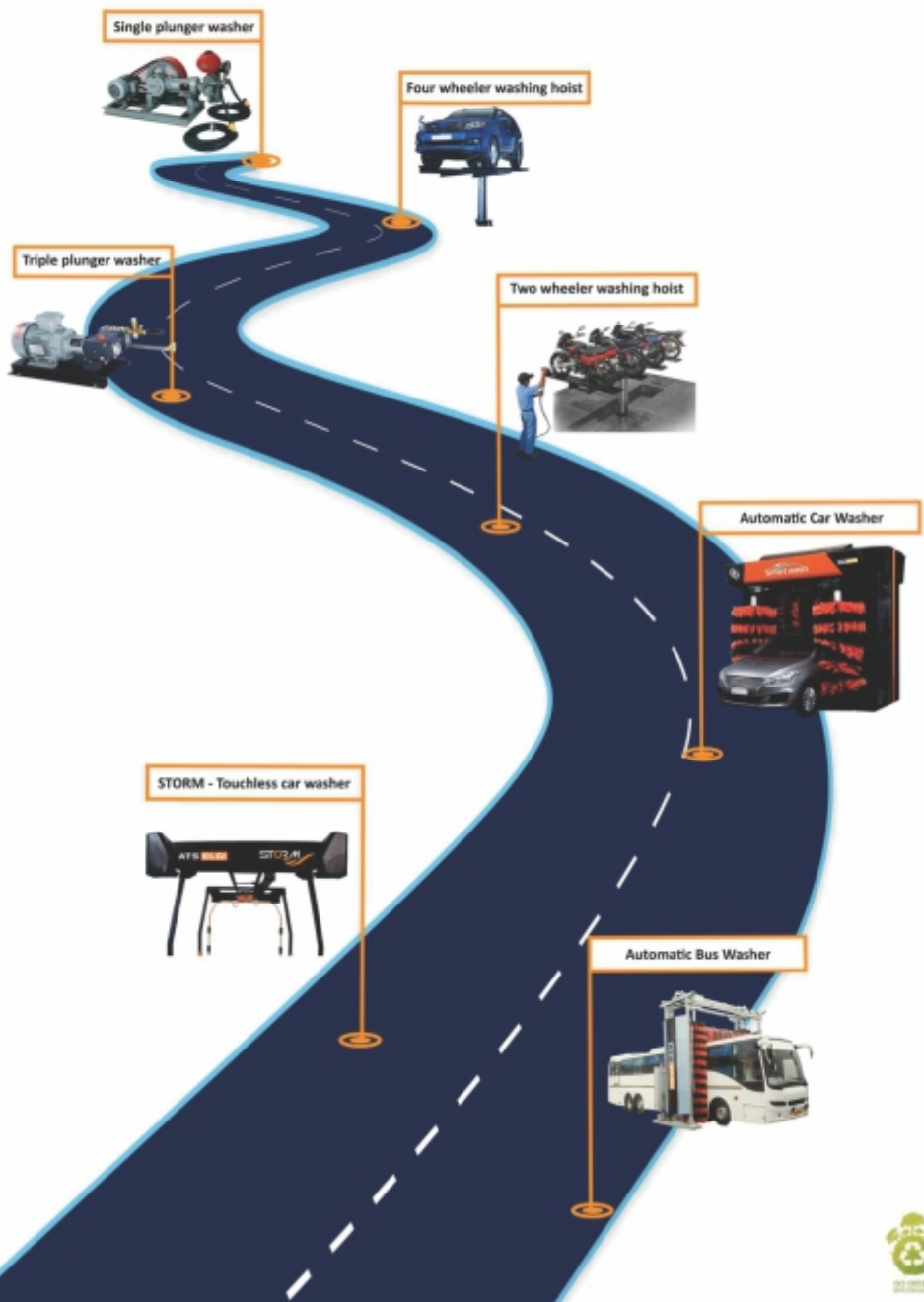


WATER RECYCLING PLANT

CREATING THE FUTURE FOR WATER RECYCLING




Evolution of Washing Equipments



Water - A Driving Force of all Nature

Water is the means for subsistence in this eco-system. Our basic existence and development over centuries was surrounded near the sources of water. From the dawn of history, water management has been the primary aspect of governance. However, with the increase in population and the lack of proper awareness, this critical lifesaving resource is depleting.

Water saving through ATS ELG'S AQUA-R water recycling plant empowers you with a guilt free solution to washing vehicles, with water.

ATS ELGI's evolution over 5 decades in the washing equipment has always been a conscious effort to manage and reduce water consumption for washing vehicles. To compliment this, ATS ELGI is proud to launch  AQUA-R, which has limitless recycling capabilities and zero discharge of waste water.




A manual car wash consumes upto 200 liters of water



An automatic car wash consumes upto 100 liters of water



Using ATS ELGI'S Smart Wash with  AQUA-R a customer spends only less than 20 litres of water per car



**AQUA-R**
WATER RECYCLING PLANT

The only solution of zero discharge
with limitless recycling of **WATER**
to wash vehicles.

Current Challenge**Benefits of WRP****Value Proposition**

Expenses of
water

Less than 20
litres per car

Scarcity of
water

Limitless
Recycling

Expense in waste
water discharge

Zero Discharge
of waste water

Savings in
Water purchase

Savings in
Water discharge



AQUA-R Block Diagram
WATER RECYCLING PLANT



Working Principle



COAGULATION IS A PROCESS USED TO NEUTRALISE CHARGES AND FORM A STICKY MASS TO TRAP PARTICLES THUS FORMING A MASS LARGE ENOUGH TO SETTLE DOWN.



FLOCCULATION IS GENTLE AGITATION TO ENCOURAGE THE PARTICLES THUS FORMED TO AGGLOMERATE INTO MASSES LARGE ENOUGH TO SETTLE FROM SOLUTION

AQUA-R Variants
WATER RECYCLING PLANT

AQUA-R1000

**Capacity to handle
3-5 cars per hour**

**Waste water handling capacity
1000 liters / hour**

- FRP media filter
- Sludge bag holders
- System Dimensions: 1.8 X 1.1 X 1.9 (LBH in m)*
- Filters Dimensions: 1.55 X 0.6 X 1.6*
- Sludge bag frame: 1.85 X 0.55 X 0.9*
- Power requirement: 230 VAC, 50 Hz, 2.5 kw

*Dimensions subject to change without prior notice

AQUA-R4000

**Capacity to handle
15 cars per hour**

**Waste water handling capacity
4000 liters / hour**

- FRP media filter
- Sludge bag holders
- System Dimensions: 1.8 X 1.4 X 2.1 (LBH in m)*
- Sludge bag frame: 1.85 X 0.55 X 0.9*
- Power requirement: 230 VAC, 50 Hz, 4 kw

*Dimensions subject to change without prior notice

Features

1. Exclusively designed for handling vehicle wash waste water.
2. Faster sludge settling technique.
3. Less volume of sludge generation.
4. Automatic dosing method, no need of dedicated manpower.
5. Automatic disposal of sludge from main equipment.
6. Automatic sensing of dry run to safeguard the recycling plant.

ADVANTAGES



**CLEAR RECYCLED
WATER**



**100% WATER
RECOVERY**



**ZERO WASTE WATER
DISPOSAL CHARGES**



**LIMITLESS
RECYCLING**



**FULLY
AUTOMATIC**



Conventional ETP vs **AQUA-R** WATER RECYCLING PLANT

Conventional Treatment Plant	ATS ELGI Water Recycling Plant
Inconsistent water quality	Consistent and clear water quality
Requires larger foot-print for installation	Requires less foot-print for installation
Manual dosing method. Manpower needed for this.	Automatic dosing method. No manpower required.
Cumbersome manual discharge of sludge	Auto discharge of sludge & easy removal
Batch process	Continuous process
Water quality cannot be monitored during operation	Water quality can be monitored (clarifier area)
High volume of sludge settlement	1/3rd of sludge volume when compared to conventional ETP

**ROI less than
2 Years***

**Conditions Apply*



ATS ELGI

28
STATES

65+
DEALERS

60+
EXPERIENCE
IN YEARS

250+
NO. OF
PRODUCTS

130+
SALES
WORK FORCE

300+
SERVICE
PERSONNEL

8000+
CUSTOMERS

