



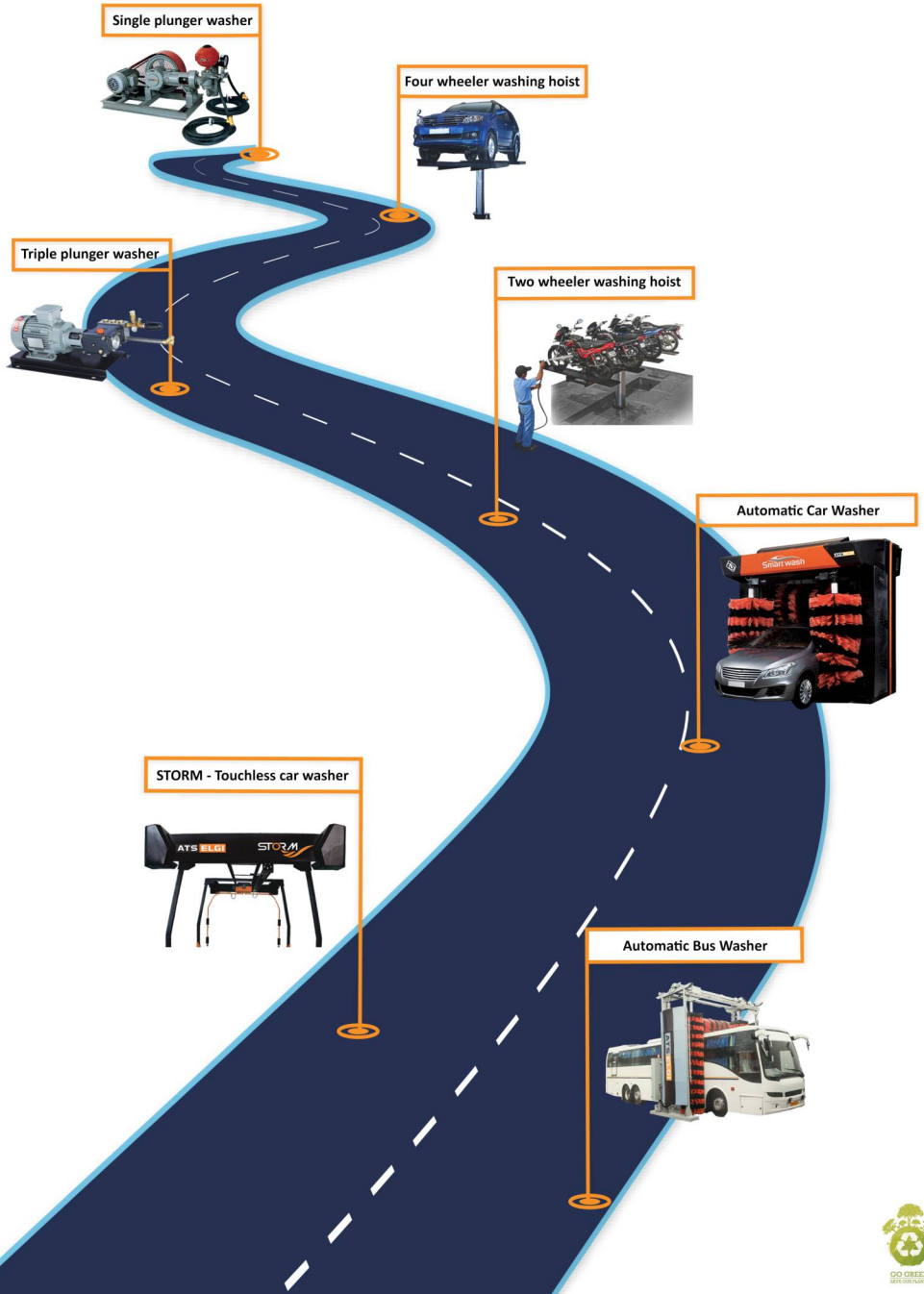
# AQUA-R

CREATING THE FUTURE FOR WATER RECYCLING



## WATER RECYCLING PLANT

# 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



## About Us



ATS ELGI is the largest manufacturer and distributor of Automotive Service Equipment in India. With our "One Stop Shop" approach, we offer the widest range of garage equipment in the country. Working closely with Authorised OEM workshops and Private Garages compliments our profound understanding of the vehicle servicing business for over 55 years. This helps us to remain and become the preferred supplier of our customers.

Our partnerships with Global Market Leaders in Automotive Servicing Equipment compliments our strengths in R&D and manufacturing. With our widespread network across India and presence in many International markets, we have the reach and coverage to support our customers, at every stage of the product's life cycle.

ATS ELGI is a wholly owned subsidiary of ELGI Equipments Limited, a Global Player in the air compressor business.

### Customer Care Centre

At ATS ELGI, Customer service is an ongoing proposition that radiates from the top management down to each employee. Offering excellent customer service shows that our business with every customer is reliable and consistent. Regular training sessions and formal recognition of our representatives who have done a particularly good job dealing with customers, makes us more dependable and committed to rendering timely service and customer delight.



### World class training centre, Coimbatore

**ATS ELGI**  
THINK LONG RUN

**ATS ELGI Ltd.,**

Private Industrial Estate, Kurichy,  
Coimbatore - 641021, Tamil Nadu, India.

Tel : +91-422-2589999 | Email : enquiry@ats-elgi.com

Visit us at : [www.ats-elgi.com](http://www.ats-elgi.com)

**Toll-free number : 1800-425-3544**