



## Client Profile

India's Number One Hair Oil Brand with a Portfolio of Hair Care Products including Shampoo and Hair Serum.

## Engagement Brief

Design, Installation & Commissioning of Complete end to end Automation and Instrumentation Package for two of client's largest manufacturing facilities in Northeast.



## Solution Construct

Greenwave was entrusted with the Design and Implementation of a complete Batch and Recipe Management solution including Reporting and Analytics for two of the largest manufacturing units. The Solution comprised of Erection and Commissioning of entire instruments including Valves deployed on ASI-Bus and Integrated with Control Systems from Rockwell Automation. The Batch and Recipe Management solution was deployed on Rockwell's S-88 compliant Batching Application and the same was integrated with Green 360 Reporting and Analytics Package. The solution also covered Minor Ingredient Recipe Management and implementation of Complete Traceability Matrix.

The complete infrastructure is covered under Greenwave's WeCare after sales support offering and enjoys SLA based services on 24\*7 basis.

- Digital Factory
- S-88 Compliant Batch and Recipe Management
- Zero Code Recipe Creation and Approval
- Seamless Integration with Truck-in Truck-Out and Tank Farm Management System
- IP Everywhere based seamless access to Layer 2 infrastructure
- Comprehensive Utility Management
- OEE for Packing Line
- Electronic Batch Report
- Production & Yield Analysis