



**A MASSY GROUP
COMPANY**


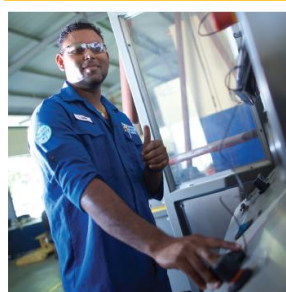


MASSY GROUP IN LATIN AMERICA & CARIBBEAN





MASSY GROUP CORPORATE VALUES

<p>Growth & Continous Improvement</p>		<p>Honesty & Integrity</p>		<p>Responsibility</p>
	<p>Love & Care</p>		<p>Collaboration</p>	



MASSY PURPOSE

**WE ARE
A FORCE
FOR GOOD**

CREATING VALUE, TRANSFORMING LIFE



MASSY GROUP IN NUMBERS



USD \$1,6 Bn

Annual Sales

+11.000

Employees

35

Offshore Platforms

+75

Business

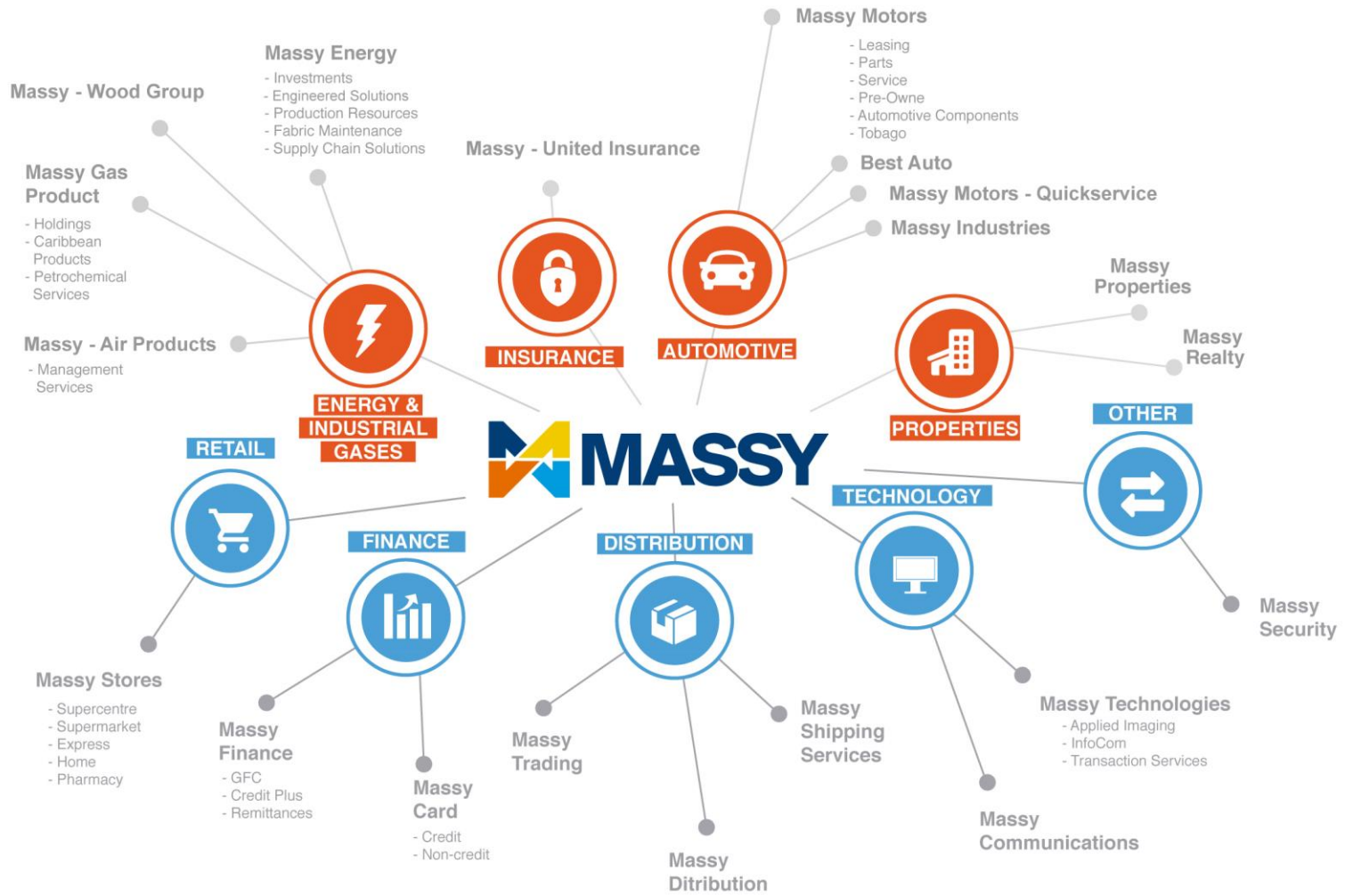
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Countries

BUSINESS TO BUSINESS



BUSINESS UNITS



BUSINESS TO CONSUMER



MASSY ENERGY COLOMBIA
A MASSY GROUP COMPANY

MISSION

“

*We are a company that provides services, through a **culture of innovation** with a committed staff. We operate with efficient processes aligned to the needs of our clients, ensuring the quality, integrity, safety, health and environment in all our operations.*

”

VISION

“

*Be recognized for **being ahead of the needs of the industry** based on the competence of our people, permanent innovation and our values as the center of everything we do, achieving sustainable development.*

”



MASSY ENERGY COLOMBIA

- Industrial
- Oil & Gas
- Petrochemical
- Biofuels
- Energetic
- Mining
- Siderurgical
- Infraestructure





MASSY ENERGY COLOMBIA

SERVICE LINES





PROJECTS

EPC PROJECTS

- Engineering
- Procurement
- Construction
- Pre-Commissioning
- Commissioning
- Start up
- Management

BOOMT PROJECTS

- Asset Finance
- Engineering
- Procurement
- Construction
- Operation and maintenance
- Transfer

PLANTS REALLOCATION

- Dismantling
- Dismantling and Transport
- Engineering for the new installation site.
- Installations and works for the new site
- Pre- commissioning and commissioning



OPERATION

ELECTRICAL SYSTEMS

- Switch Gears
- Generation plants
- Electrical Substations

FACILITIES

- Production facilities
- Facilities receipt and dispatch
- Landings GLP
- Systems of compression and gas treatment

WELLS SYSTEMS FACILITIES

- Operational monitoring



TECHNICAL SERVICES

CBM TECHNIQUES

- Mechanical CBM
- Electrical CBM
- Specialized Techniques of CBM
- Equipment Management Condition

TURNAROUNDS

- Planning
- Performance
- Management
- Integration

MAJOR OVERHAULS

- Reciprocating & Turbomachinery
- Equipment and Systems Revamping & Upgrade

TECHNICAL ASSURANCE OF PROJECTS

- Process Reliability Studies
- FAT / SAT Test Assistance
- Supervision and interventory of engineering works
- Change Management
- Budget control and work scheduling.
- Pre-commissioning & Commissioning & Start UP of equipment and facilities



SUPPLY CHAIN MANAGEMENT

WAREHOUSE MANAGEMENT

- Layout advisory Storage and distribution of storage areas
- Location strategy and labeling of materials
- Inventory of Materials and tools

MATERIALS CATALOGING

- Characterization of Materials, tools and fixed assets
- Structuring and optimization of the Catalog of Materials
- Structuring Service Catalogue
- Catalog Maintenance (daily)

INVENTORY MANAGEMENT

- Custody and inventory management
- Conservation and preservation of materials
- Hazardous Materials Management
- Optimizing Inventory Management (KPIs, information assurance ERP and / or CMMS)

SUPPLY CHAIN PLANNING

- Definition of critical parts
- Projecting demand for materials and spare parts
- Procurement Strategy (MRP)
- Defining Inventory levels (Min-Max)



ASSET MANAGEMENT

CONSULTING

- Asset management evaluation
- Maintenance management evaluations
- Evaluation technical condition of equipment
- Safety Requirements Specifications (SRS)

PROCESS SAFETY

- HAZOP / HAZID
- WHAT IF
- LOPA / SIL
- Cause Effect Matrix
- Control Philosophy
- P&ID / PFD
- RBI (Risk-based Inspection)
- QRA/ Consequence Analysis

MAINTENANCE MANAGEMENT SYSTEM

- Implementation - Update - Migration CMMS
- Debugging and Optimization CMMS
- Functional support CMMS

TECHNICAL RELIABILITY

- RAM (Reliability Availability & Maintainability)
- LCC (Life Cycle Cost)
- RCS+ (Reliability Centered Spares)
- RCM (Reliability Centered Maintenance) / FMECA
- RIM (Reliability information Management)
- Optimal replacement of assets
- RCA (Root Cause Analysis)



REPRESENTATIONS & ALLIANCES



GE Bently Nevada

We are the official channel for distribution and installation of Asset Management technological solutions for the worldwide leader GE Bently Nevada



GE Oil & Gas

We are official distributors in Colombia for:

- Cooper
- Ajax
- Superior
- Gemini



We joined the world-wide recognized SAP technology to our more than 15 years of asset management experience developing and potentializing the mobility projects applied to Asset management.



We are corporate members and endorsed assessor of the international authority in Asset Management



MAINTENANCE

FACILITIES

- Industrial Plants
- Onshore Fields
- Offshore Fields

DISCIPLINES

- Electrical
- Mechanical
- Instrumentation
- Control
- Metalworking

SPECIALIZED IN

- Turbo Machinery
- Reciprocating equipment
- Rotating Equipment
- Process Equipment and Storage
- Valves



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