

CREATE VALUE FOR YOUR BUILDING

DOPPLER INTRODUCES **RENAISSANCE**, A MODERNIZATION METHOD THAT TRANSFORMS AN OLD HYDRAULIC LIFT INTO A MODERN TRACTION MRL.

RENAISSANCE IS A PROVEN SOLUTION THAT COMBINES STATE OF THE ART TECHNOLOGY WITH DOPPLER'S EXPERTISE AND FINE ENGINEERING.

WE PROPOSE AND IMPLEMENT SOLUTIONS TAILORED TO YOUR REQUIREMENTS AND PREFERENCES, REVITALIZING YOUR LIFT AND EVOLVING YOUR BUILDING TO A NEW ERA.

WE OFFER YOU THE OPPORTUNITY TO UPGRADE THE PERFORMANCE AND THE ENERGY EFFICIENCY OF YOUR EXISTING LIFT, BY REPLACING THE OLD MECHANICAL AND ELECTRICAL COMPONENTS WITH NEW ROBUST AND RELIABLE ONES:

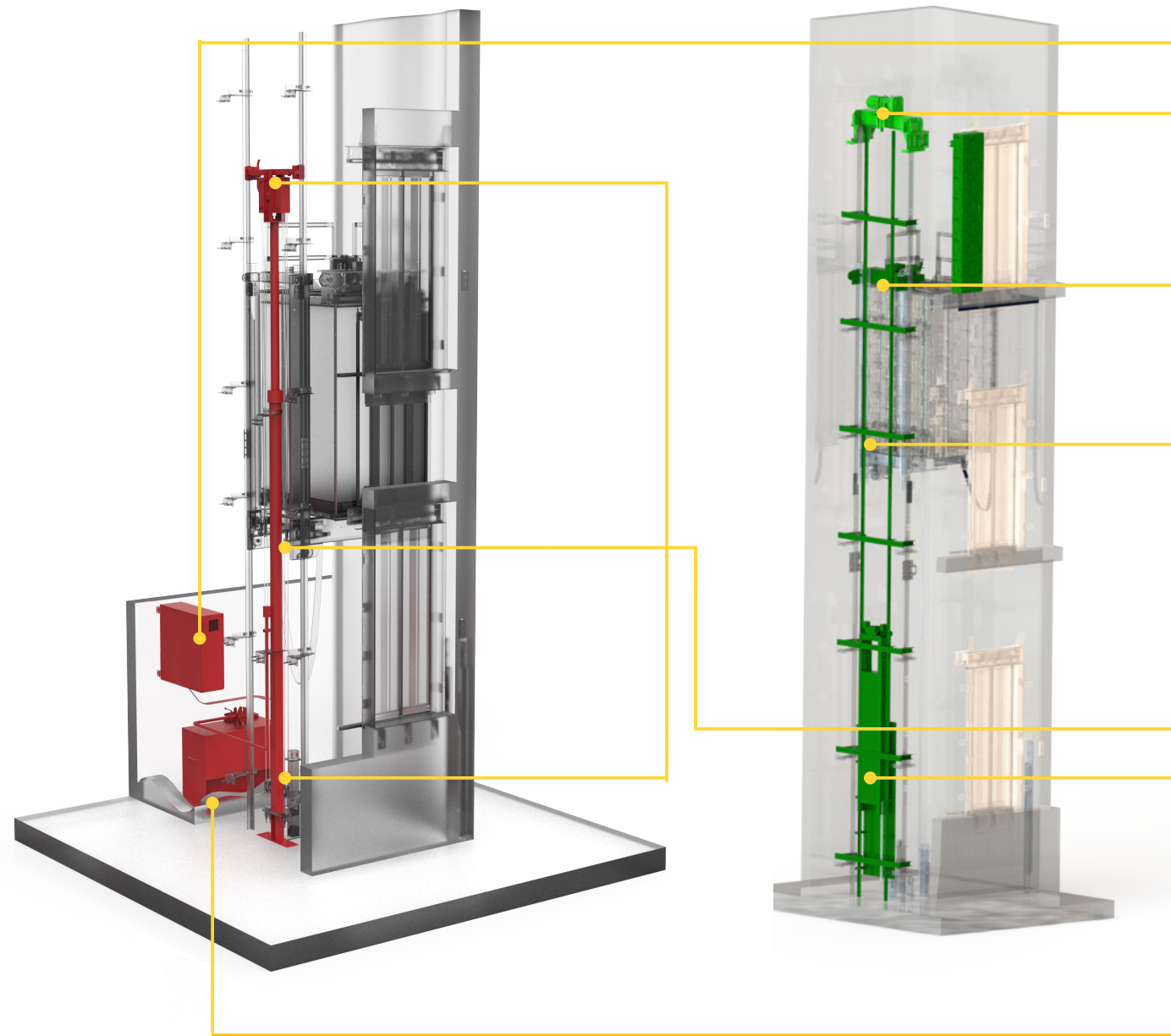
- MINIMUM REQUIRED PARTS
- MINIMUM LABOR
- A NEW RIDE EXPERIENCE

ELEVATOR PACKAGE REPLACEMENT

- KEEP EXISTING CABIN & CAR SLING
- KEEP EXISTING CAR GUIDE RAILS & DOORS
- UPGRADE TO PROGRESSIVE SAFETY GEAR KIT
- INSTALLATION OF AN OVER-SPEED GOVERNOR
- REPLACEMENT OF WIRE ROPES
- FULL REPLACEMENT OF CONTROLLER & REST ELECTRICAL EQUIPMENT

REFORMATION SCHEME

CHANGES ALLOWED UPON PREREQUISITE SHAFT DIMENSIONS




■ EQUIPMENT TO REPLACE

■ EQUIPMENT TO INSTALL


1
MACHINE BASE \ BELT MACHINE

A BELT OR A STEEL ROPE DRIVEN GEARLESS PERMANENT MAGNET MACHINE IS USED IN ORDER TO ENSURE THE MINIMUM NECESSARY INSTALLATION SPACE AND KEEP, IN THIS WAY, THE EXISTING SHAFT ARRANGEMENTS OF THE OLD HYDRAULIC LIFT. THE MACHINE IS INSTALLED ON A BASE FIXED ON THE TOP OF THE GUIDE RAILS WITHOUT USING ADDITIONAL BRACKETS ON THE WALLS. THE OPERATION IS COMPLETELY SILENT AND VIBRATION FREE .




2
CONTROLLER

A NEW CONTROLLER WITH INTEGRATED AC DRIVE IS INSTALLED EITHER IN THE EXISTING MACHINE ROOM OR BESIDE THE LAST FLOOR DOOR POST. SMOOTH CAR TRAVELLING PERFORMANCE IS ACHIEVED AND A HUGE POWER CONSUMPTION DECREASE.




3
COUNTERWEIGHT

THE CAR GUIDE RAILS ARE KEPT AT THEIR POSITION WHILE GUIDE RAILS FOR COUNTERWEIGHT ARE INSTALLED FROM THE TOP OF THE CABIN BY USING SPECIAL BRACKETS FIXED ON THE EXISTING GUIDE RAILS — NO NEED FOR ANY DRILLINGS ON THE SHAFT WALLS. THE DIMENSIONS OF THE COUNTERWEIGHT FRAME ARE ACCORDING TO THE AVAILABLE SPACE AT THE CYLINDER'S AREA. THE COUNTERWEIGHT FRAME IS INSTALLED AFTER THE REMOVAL OF THE HYDRAULIC CYLINDER. AT THAT STEP, THE CABIN CAN BE MOVED BY AN ELECTRICAL OR MANUAL HOIST INSTALLED AT THE TOP OF THE SHAFT.




4
CAR SLING \ CABIN

THE CAR SLING IS MODIFIED BY CHANGING THE UPPER CROSSBEAM WITH A NEW ONE EQUIPPED WITH PROGRESSIVE SAFETY GEAR. THE CABIN AND THE DOORS REMAIN THE SAME WITHOUT CHANGES.



5
HYDRAULIC PARTS REMOVAL

VALUABLE SPACE CAN BE SAVED BY REMOVING THE EQUIPMENT FROM THE OLD HYDRAULIC MACHINE ROOM.



KEY BENEFITS

REQUIRES THE MINIMUM RESOURCES

-IN TERMS OF COMPONENTS AND TIME- WHILE OFFERING THE MAXIMUM BENEFITS.

ECO-EFFICIENT SOLUTION

YOU CAN REDUCE THE LIFT'S ENERGY CONSUMPTION AND YOUR BUILDING'S CARBON FOOTPRINT.

LATEST TECHNOLOGY

OFFERING IMPROVED RIDING COMFORT AND INCREASED SPEED (UP TO 1 M/SEC).

EXTENDS LIFT LIFESPAN

AND INCREASES VALUE OF YOUR PROPERTY.

SHORT INSTALLATION TIME

LESS THAN A WEEK. DURING THE CONVERSION PERIOD, THE LIFT OPERATION IS NOT TOTALLY AFFECTED.

SPACE-EFFICIENT

YOU GAIN FREE SPACE, SINCE THE UPGRADED EQUIPMENT IS MRL (MACHINE ROOM LESS).

EASILY ADAPTED

TO EVERY INSTALLATION, SINCE IT IS INDEPENDENT FROM THE ORIGINAL MANUFACTURER AND THE EXISTING SYSTEMS.