

MRL ELEVATORS

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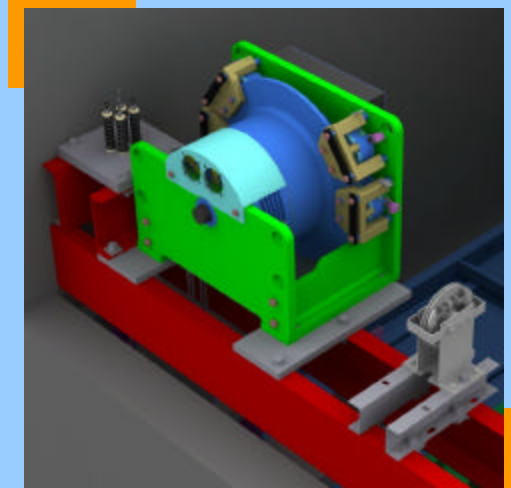
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The MRL: A New Approach

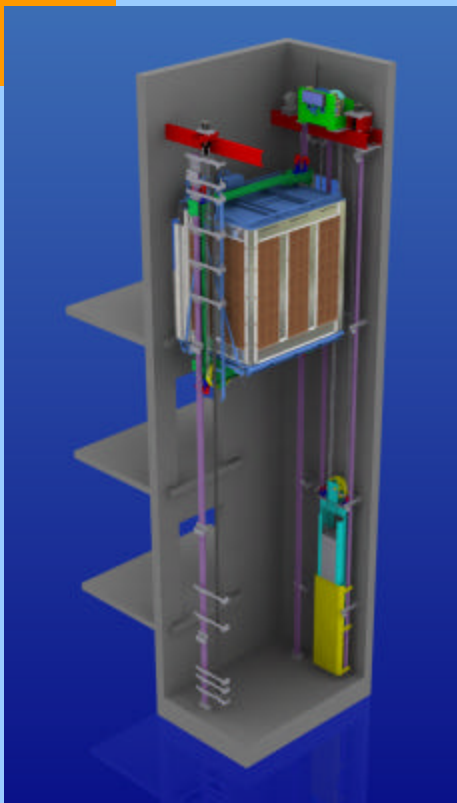
The Machine Room-Less (MRL) elevator has had success in Europe, where space constraints for elevators are more severe than in North America.

Traditional elevators require a separate machine room, either for the pumping unit in a hydraulic application or for the machine in a traction application. The key initial benefit of the MRL elevator was that these machine room spaces were no longer required since the machine is placed directly in the elevator shaft.

It is important to note, however, that MRL elevators still require a secure room for the controller and associated components.



A Gearless Machine Installation



The Delta MRL

MRL: Saving Space

MRL elevators save space by placing the machine in the actual elevator shaft. This allows for more space efficient building designs.

MRL: Saving Money

There is no longer a need to build a machine room on top of the roof, saving both initial installation costs and ongoing building maintenance costs.

MRL: Saving Energy

MRLs are a good solution to the relatively high level of energy consumption of elevators. The gearless machines used in MRLs rely on counterweights and direct drive configurations to reduce energy consumption.

MRL: Saving Time

When compared with traditional mid-rise hydraulic applications, the MRL can achieve faster rates of travel. This translates directly into shorter flight times for riders.

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Elevator Configurations

An MRL elevator is an excellent configuration choice in certain circumstances, but may not be suitable for some applications.

Some factors to consider when deciding which configuration to use are shown in the simplified decision tree below.

Other factors to consider which apply to all configurations include budget limitations, capacity requirements, serviceability needs, and energy consumption levels.

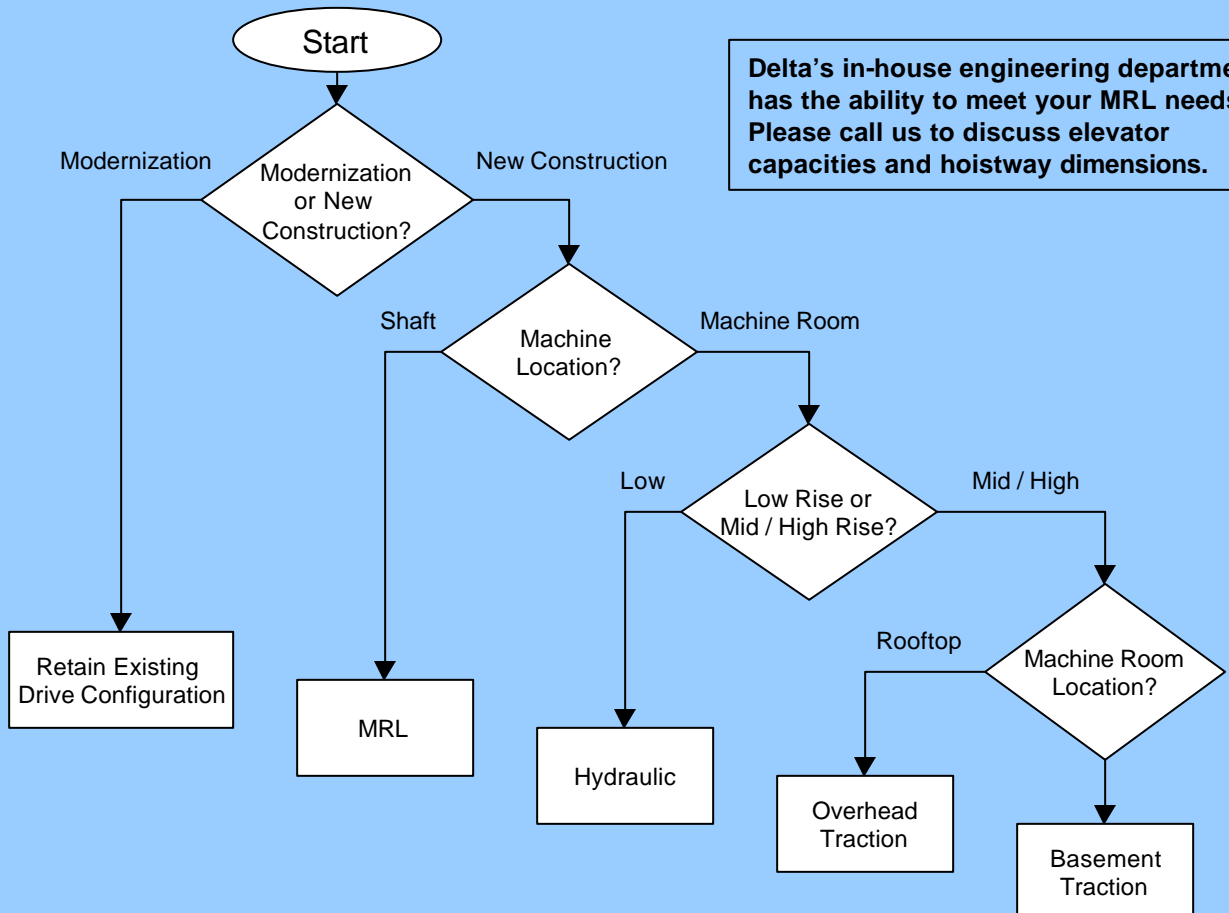
Delta's Sales staff can provide pre-contract design consultation to assist you in choosing the best configuration for your specific needs.

WHO WE ARE

Delta Elevator Co. Ltd. has been in operation since 1967. With a strong background in elevator maintenance, repairs, modernizations, and new construction, Delta's products are field tested and of the highest quality.

Delta designs and manufactures its own products at its plant in Kitchener, Ontario for a reduced environmental impact. We are also ISO 9001:2000 certified by QMI.

Delta's commitment to high manufacturing and installation standards produces an exceptionally reliable full line of elevators, including passenger and freight applications for MRLs, tractions, and hydraulics.



Delta's in-house engineering department has the ability to meet your MRL needs. Please call us to discuss elevator capacities and hoistway dimensions.