

# ABSTRACT

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Worlds construction is revolutionize by the architects and engineers to erect enormous [skyscrapers](#) hundreds of feet in the air. These towers and buildings would have been basically unusable without another technological innovation, which is elevator or lift system. Outside North America, elevators are known as lifts. Lifts are essential for tall building to make it convenient to live and work. High-rise cities like New York and Tokyo absolutely depends on lifts. Even in smaller multi-story buildings, lifts are necessary for making offices and apartments accessible to disabled or handicapped people.

Lifts have become a fundamental machine in a relatively short period of time. As people continue to rise monumental skyscrapers and more small buildings are made handicap-accessible, lifts will become an even more invasive element in society. It becomes one of the most important machines in the modern era. A lift is a device used to move goods or people in vertical direction; hence it is a transporter in buildings. According to wheelchair access laws, lifts are often a requirement in new buildings with multiple floors.

Few names of lifts manufacturers are Otis (World's largest lift company), [Schindler Group](#) (Third largest lift/escalator manufacturer), [Thyssen Krupp](#) (acquired Dover Elevator and US lift), [Inclinor Company of America](#) (Premiere Residential lifts) and [Fujitec](#) (Smallest major brand lift company).