

SEISMIC ISOLATION AND APPLICATIONS IN TURKEY

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ABSTRACT *This paper reviews the essentials of base isolation and the applications of seismic isolation to civil engineering structures in Turkey, where the utilization of the technique of base isolation for new structures and retrofit of existing structures is only recent. The current list structures (new and retrofitted) with seismic isolation include two airport terminal buildings, LNG storage tanks, highway viaducts, two hospital building and a hotel. A new society (Turkish Association of Seismic Isolation) has been established and studies are underway for the addition of base isolation design specifications to the current Turkish earthquake resistant design code.*