

Train invention represent one of the most important times in the history of human expansion and development. Faster, cleaner, greener and packed with advanced technology; rail is the only transport mode currently well placed to provide the backbone of our future mobility needs , By 2050, passenger and freight rail will form the backbone of our transport networks with inter-city routes between multimodal lushs feeding into local networks. Today, trains are used in variety of ways—from small city trams, sub way electric trains, distance trains equipped with dining cars and sleeping quarters for longer journeys), freight trains, to) high-speed bullet trains that can reach speeds of 300–500 km/h. Over the course of history trains were powered by steam, electricity and diesel fuel (although one of the earliest trains in USA was powered by horses that walked on treadmills). However their history started with much simpler and slower designs, First commercial steam train managed to reach speed of 96 km/h. Today's trains can go above 200 km/h, and specialized bullet trains to over 500.