

Hybrid Electric Transit Bus



A prototype Advanced Technology Transit Bus (ATTB) was developed by Northrop Grumman (NG) under funding from the Federal Transit Authority (FTA) to demonstrate advanced hybrid electric transit bus technology. In parallel with the NG-ATTB project, the Houston Metropolitan Transit Authority (HMTA) was asked to develop performance enhancements for the ATTB shown in Figure 1.



Figure 1: NG-ATTB

HMTA selected CEM to be their primary research and development partner in this effort. Under that joint program, CEM and HMTA were tasked to:

Identify potential performance enhancements for a hybrid electric transit bus through system modeling