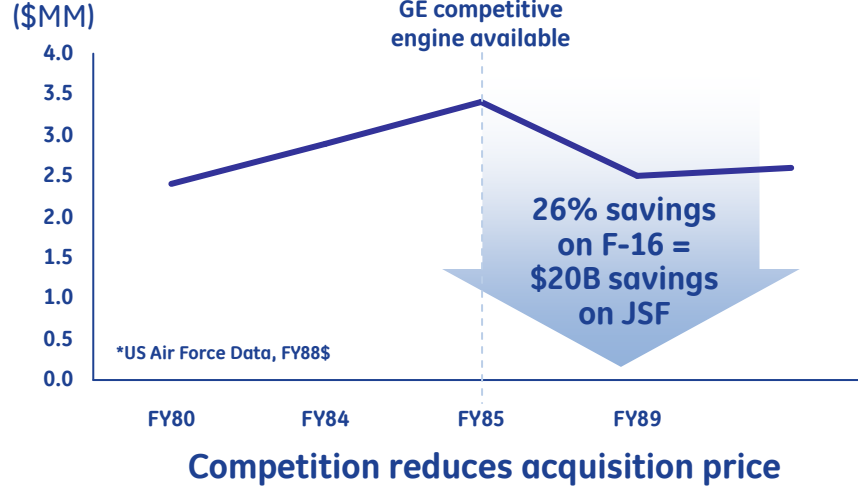
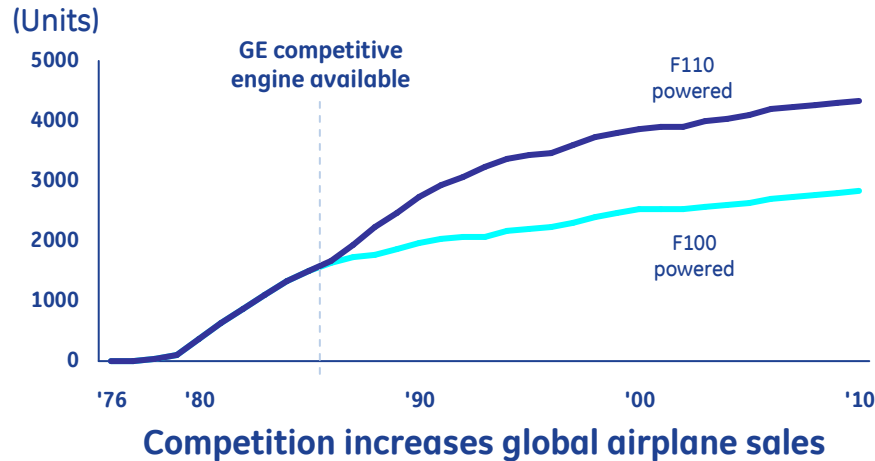


# The airplane benefits of engine competition ... F-16 case study

## Average engine price (\$MM)



## Aircraft Sold (Units)



## Airplane Performance

Thrust increase<sup>1</sup>

30%

Stall reduction<sup>2</sup>

10X

Unscheduled engine removal<sup>2</sup>

2X

Time between overhaul<sup>3</sup>

3X

Aircraft losses<sup>4</sup>

2X

## Engine competition improves airplane capability

1. F100. <http://www.pw.utc.com/Products/Military/F100> (9 July 2010)  
F110. <http://www.geae.com/engines/military/f110/index.html> (9 July 2010)
2. Camm, F. 1993. The Development of the F100-PW-220 and F110-GE-100 Engines. A Case Study of Risk Assessment and Risk Management. RAND Note N-3618-AF: Pg 40, Table 4.2.
3. Camm, F. 1993. The Development of the F100-PW-220 and F110-GE-100 Engines. A Case Study of Risk Assessment and Risk Management. RAND Note N-3618-AF: Pg 43.
4. U.S. Air Force Safety Center, 2009. F-15/F100-PW-100 Engine- Related Class A Flight Mishaps as of 31 March 2009. [www.afsc.af.mil/](http://www.afsc.af.mil/).