

Business Impact of Swagelok Custom Solutions on Green Alternative Systems



Green Alternative Systems (GAS)



#1

Bus/CNG
dealer in USA

1000+

Vehicle conversions
in 2015

Certified

ISO, CARB, EPA &
ASE (Automotive
Service Excellence)

Partner

Ford QVM
(Qualified Vehicle
Modifier)

CNG / GAS Advantage

\$1.08

the avg. CNG price per gallon in USA.

15 - 50%

more cost effective than gasoline

>50%

savings over current prices in USA
with G.A.S. modifications

Swagelok + GAS = Savings + More Savings



6 year

CS collaboration
(50-75% of their annual production)



5 chassis

configurations



3 prototype

designs



300+ hours

engineer assistance + design support



3 assemblies

fueling / de-fueling boxes,
CNG fuel lines,
pressure relief devices (PRD)



6000+

CNC tube bends



750 units

converted in 2015



75% reduction

in production time
16 man hours to 4 man hours



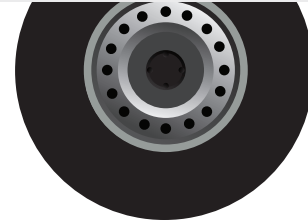
\$224,000

reduction in labor cost



\$62/hour savings

because of pre-assembly &
fabrication



\$1.3M

reduction in production
costs over 5 years

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