













Industry	Segment	Time to service (Man-hours per year)	Estimated Value (Billion US dollars)
Power	Steam & gas turbines	52 Million mon-hours per year	\$7 B
Aviation	Aircraft engines	205 Million man-hours per year	\$10 B
Rail	Freight	52 Million man-hours per year	\$3 B
Healthcar	e CT+ MRI scanners	4 Million man-hours per year	\$250 million











Material Availability			
/letal Inks	Resistor Inks	Non-Metallic Conductors	
An Cuig	Acheson		
Applied Nanotech	Asahi	Heraeus	
Clariant	DuPont	NanoIntegris	
DuPont	Lord (carbon)	SouthWest Nano	
lenkel	Methode Development	Semiconductors	
ntrinsiq	<b>Dielectrics and Adhesives</b>	Aldrich	
lovacentrix	Aldrich	Alfa	
Paru	BASF	Merck	
V NanoCell	DuPont	NanoIntegris	
Sun Chemical	Henkel	Reactive Chemistries	
JTDots	Loctite	Rohm & Hass	
Kerox	Norland	Shipley	
Partial Listing 0115			









Feature	Benefits	
Aerosol Jet Process	Conformal printing with features from ~10µm to mm	
Inks / Materials	Full Range of Conductive Materials, Dielectrics, Epoxies	
Platform Flexibility	2D and 3D Antenna and Sensors	
Digital Process	No tooling – allows easy conversion to new antenna patterns	
Complimentary	Fills gaps where current solutions are deficient	
Environmentally Friendly	Direct Printing - no subtractive or plating processes – simplified logistics, reduces floor space, eliminates health hazardous materials	
Cost Effective	Scalable Print Engine to Full solutions with lower overall operating cost than many current manufacturing solutions	

