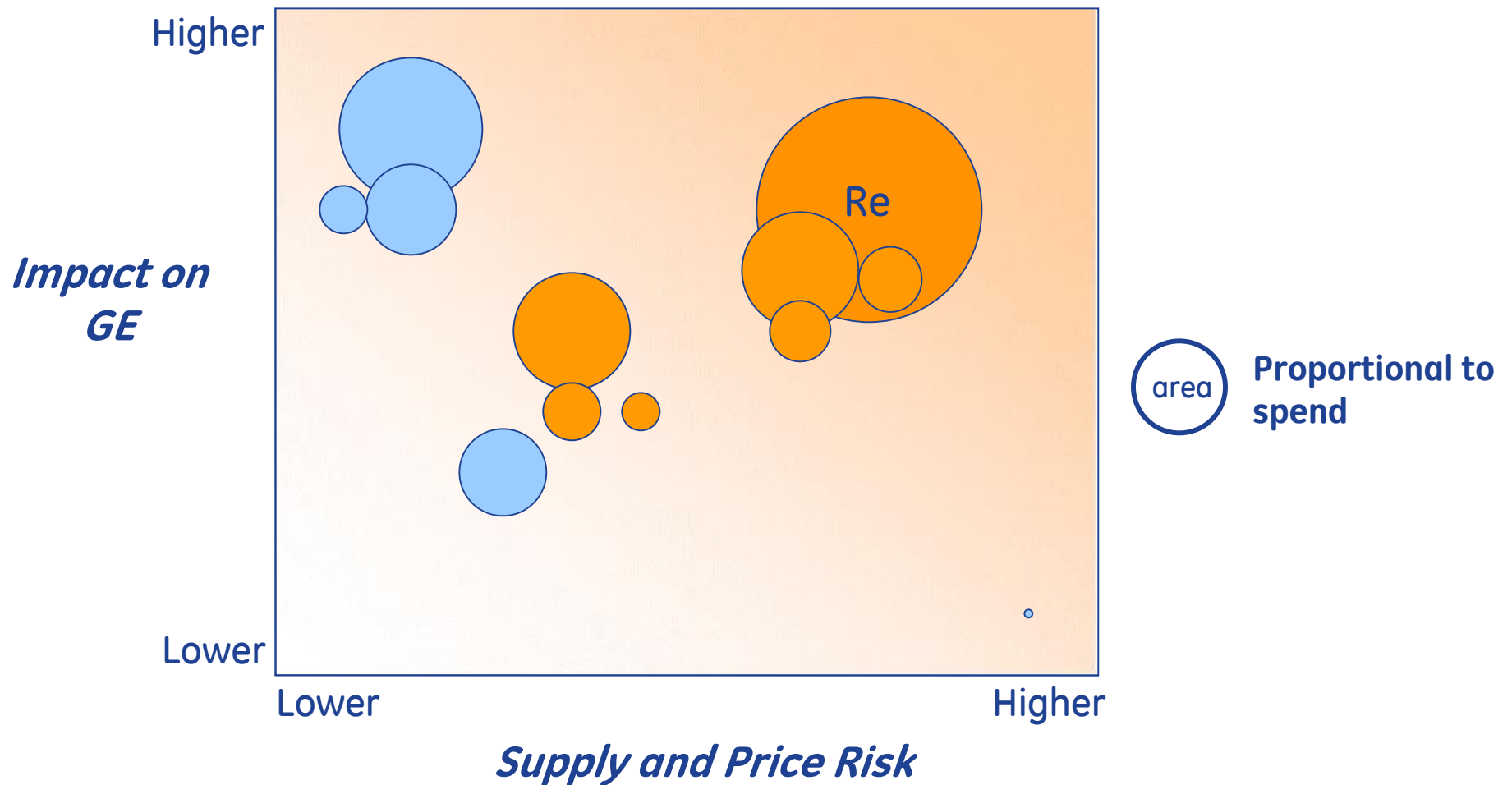


GE Criticality Diagram



Solutions: Broad Approaches with Flexibility

	Engineering/R&D	Manufacturing	Sourcing
Short term <ul style="list-style-type: none"> • Broaden resource base • Consolidate material usage 		<ul style="list-style-type: none"> • Volume material buys 	
	<ul style="list-style-type: none"> • Use of re-processed (recycled & scrap) material 		<ul style="list-style-type: none"> • Diversification • Hedging
Medium Term <ul style="list-style-type: none"> • Recycle manufacturing waste • Design for recyclability • Optimize material usage 	<ul style="list-style-type: none"> • Reclamation/recycling processes • Manufacturing processes that minimize use of at-risk <i>intermediate</i> materials • Design products for ease of recycling and repair 	<ul style="list-style-type: none"> • Near-net shape manufacturing processes • Sort & categorize manufacturing scrap to maximize recycle 	<ul style="list-style-type: none"> • Global sourcing • Strategic inventory reserves
Long Term <ul style="list-style-type: none"> • Redesign materials 	<ul style="list-style-type: none"> • Develop material substitutions 		

Multiple Solutions at the Product Level

Solutions: Technology Flexibility

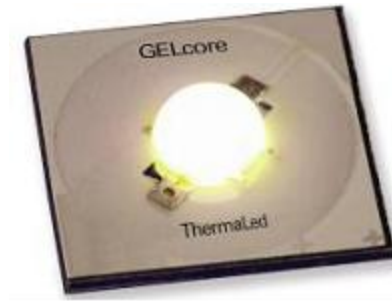
Incandescent Lamps



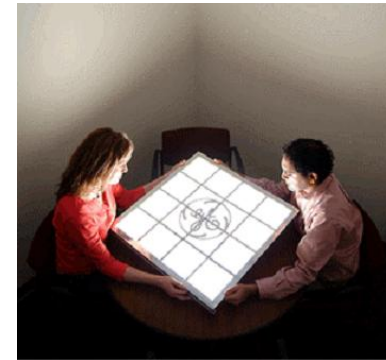
H																	He	
Li	Be											B	C	N	O	F	Ne	
Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	Y	Zr	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba	La	Hf	Ta	Pb	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
Fr	Ra	Ac																
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu					
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr					



Fluorescent Lamps



White LEDs



White OLEDs

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imagination at work

Multiple Solutions at the System Level