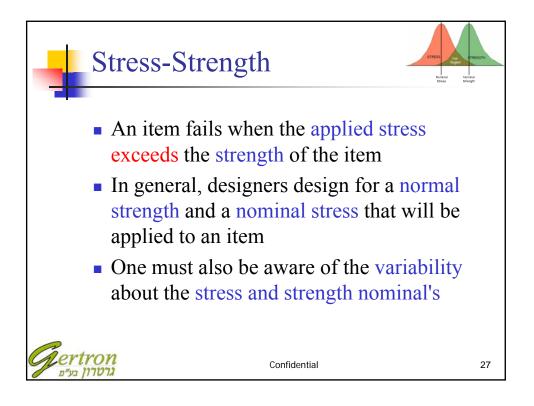
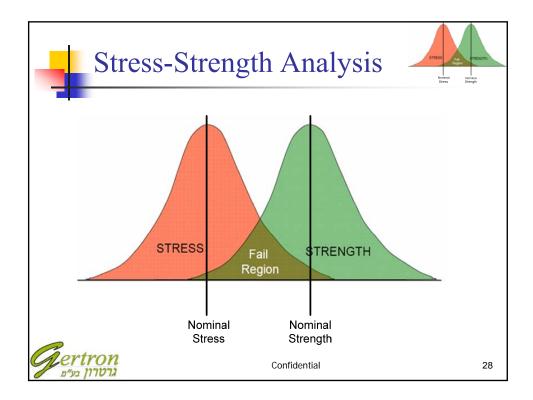
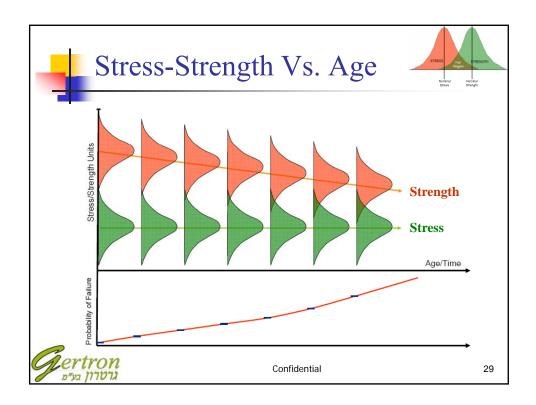
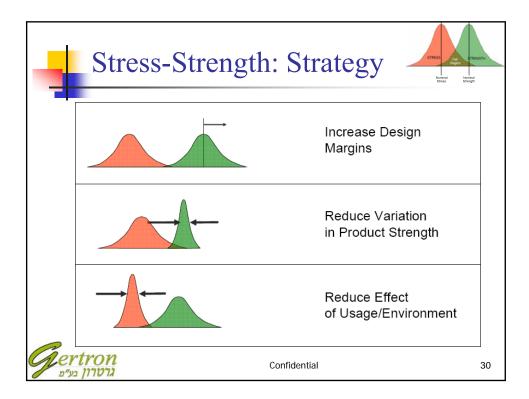


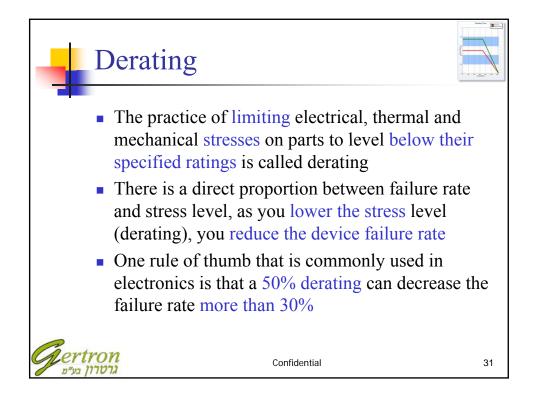
	FM	EA - T	emplat	te				Process         Process from the constraint of the c		Provember 4 Adverts - Provide
Function/ Purpose/ Parameters	Potential Failure Modes	Potential Failure Mechanisms	Potential Effects of Failure [Local, Next, System levels]         Sev         Occ         Dtc         RPN           System levels         (1)         (2)         (3)         (4)		Recommende		Responsibility			
								Corrective (5)	POD / Testing	
FU: Data Processing										
PU:Data	Erroneous data received	Bad connection	N: Wrong drop params S: Bad printing	8	3	1	- 14	Data integrity Inspection: Input and output (digital & Analog, Pulse?)		
megnty	Teceiveu		N: Wrong drop params					Data integrity Inspection: Input and output (digital		
	Data corrupted	Bad input	S: Bad printing N: Wrong drop params S: Bad printing	8	3			& Analog, Pulse?) Data integrity Inspection: Input and output (digital & Analog, Pulse?)		

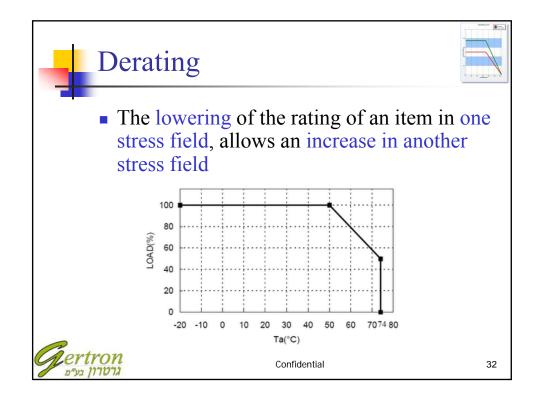


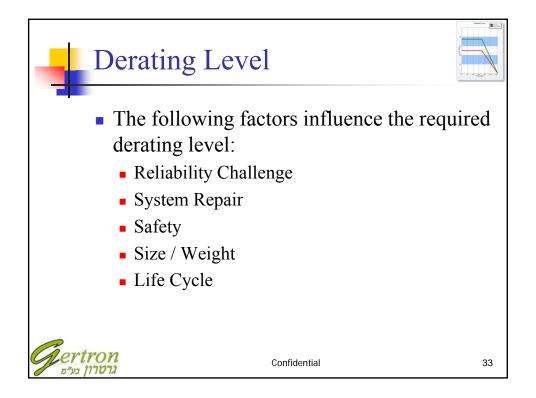


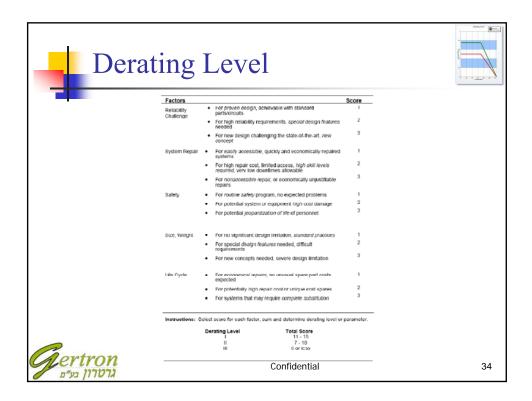






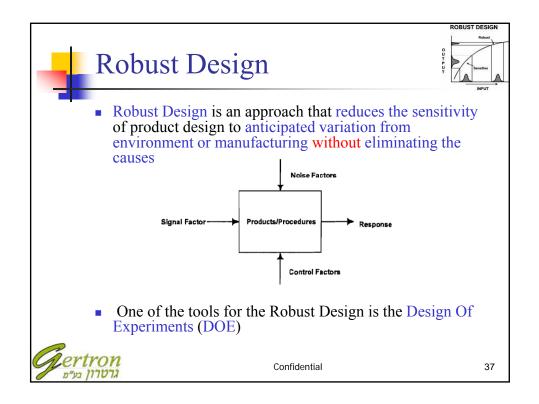


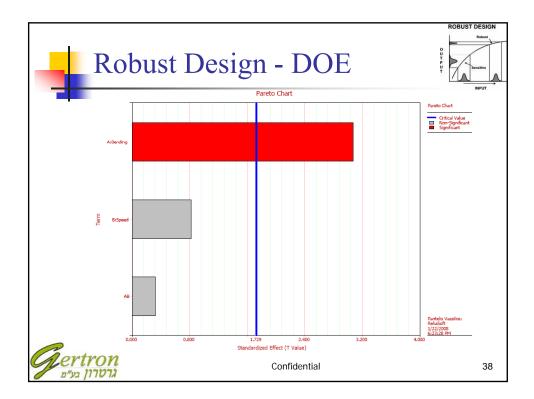


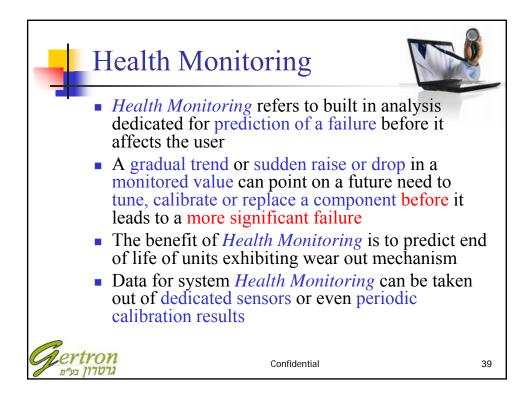


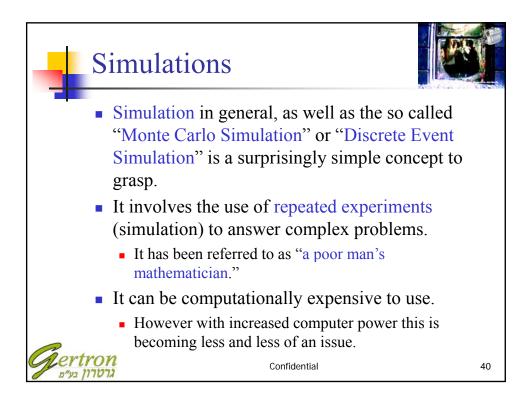
Factors		Score	Compiler (
Reliability Challenge	<ul> <li>For proven design, achievable with standard parts/circuits</li> </ul>	1	
enalionge	<ul> <li>For high reliability requirements, special design features needed</li> </ul>	2	
	<ul> <li>For new design challenging the state-of-the-art, new concept</li> </ul>	3	·
System Repai	<ul> <li>For easily accessible, quickly and economically repaired systems</li> </ul>	1	
	<ul> <li>For high repair cost, limited access, high skill levels required, very low downtimes allowable</li> </ul>	2	
	For nonaccessible repair, or economically unjustifiable repairs	3	
Safety	<ul> <li>For routine safety program, no expected problems</li> </ul>	1	
	<ul> <li>For potential system or equipment high cost damage</li> </ul>	2	
	For potential jeopardization of life of personnel	3	
Size, Weight	For no significant design limitation, standard practices	1	
	<ul> <li>For special design features needed, difficult requirements</li> </ul>	2	
	For new concepts needed, severe design limitation	3	
Life Cycle	<ul> <li>For economical repairs, no unusual spare part costs expected</li> </ul>	1	
	<ul> <li>For potentially high repair cost or unique cost spares</li> </ul>	2	
	For systems that may require complete substitution	3	
Instructions:	Select score for each factor, sum and determine derating level or	parameter.	
	Derating Level Total Score	-	
140.14	I 11 - 15 II 7 - 10		
ron	III 6 or less		35

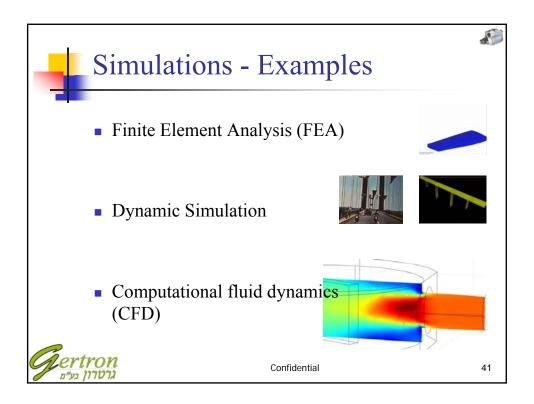
	Derating	g Level					
	Part Type	Derating Parameter	D	Derating Level			
	Capacitors					-	
	• Film, Mica, Glass	DC Voltag <del>e</del> Temp from Max Limit	50% 10°C	60% 10°C	60% 10°C		
	Ceramic	DC Voltage Temp from Max Limit	50% 10°C	60% 10°C	60% 10°C		
	Electrolytic Aluminum	DC Voltage Temp from Max Limit			80% 20 <sup>°</sup> C		
	Electrolytic Tantalum	DC Voltage Temp from Max Limit	50% 20°C	60% 20 <sup>°</sup> C	60% 20 <sup>°</sup> C		
	Solid Tantalum	DC Voltage Max Operating Temp	50% 85 <sup>°</sup> C	60% 85 <sup>°</sup> C	60% 85 <sup>°</sup> C		
	Variable Piston	DC Voltage Temp from Max Limit	40% 10°C	50% 10°C	50% 10°C		
_	Variable Ceramic	DC Voltage Temp from Max Limit	30% 10 <sup>°</sup> C	50% 10 <sup>°</sup> C	50% 10 <sup>°</sup> C		
ieri	tron	Confident	ial			-	

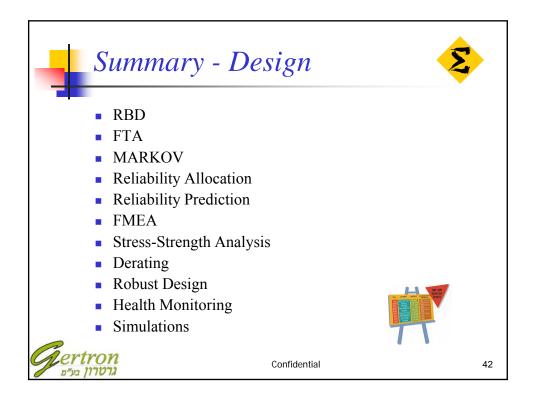






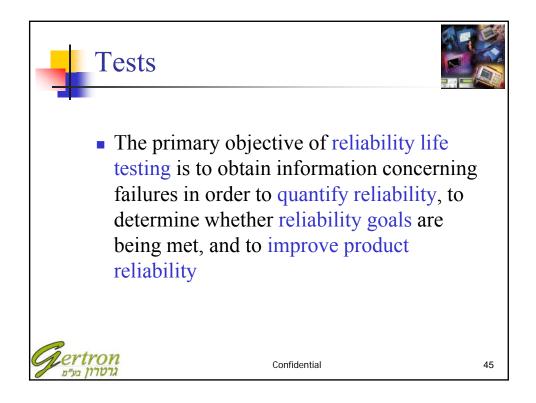


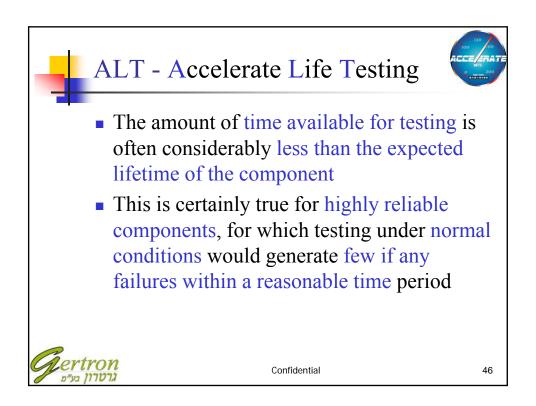












	ALT						
	<ul> <li>In order to identify design weaknesses within reasonable amount of time, one or more of the following may be necessary:</li> </ul>						
	Action	MTBF	LE*				
	Increase the number of units on test	$\checkmark$	×				
	Accelerate the number of cycles per unit of time	~	✓				
	Increase the stresses that generate failures (accelerated stress testing)	~	~				
C	<b>ארידערון בע״מ</b> * Life Expectancy Confidential		47				

