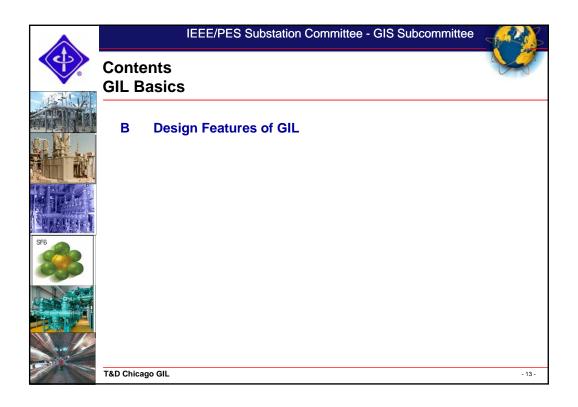
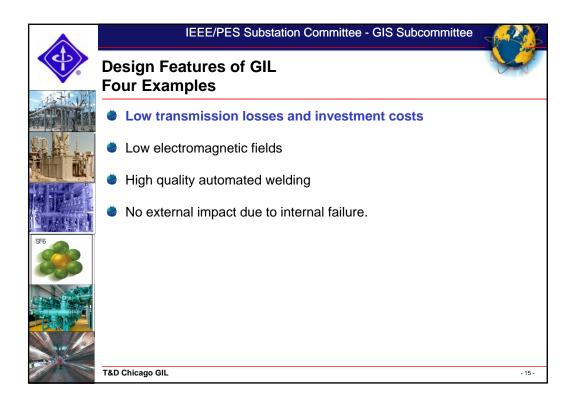
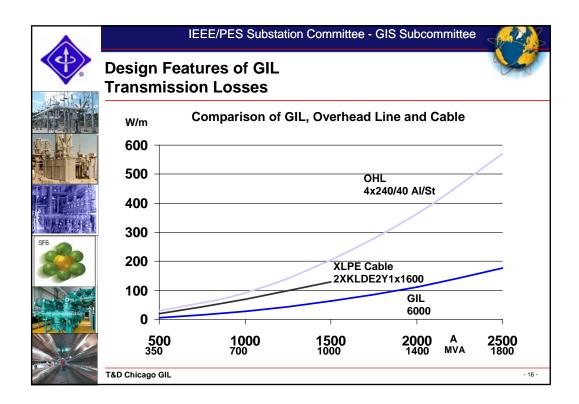


	IEEE/PES Substa	tion Committee - GIS Subcomr	nittee
	troduction to GIL umulated Length of G	IL World-wide	~
			_
N.	Ur kV	Cumulated length m	
	1200	420	
	800	1200	
T HE STREAM	550	52.650	
SF6	420	63.600	
	362	10.107	
	242/300	32.900	
	72/145/172	37.100	
	73 to 1200	198.000	
			-
T&C) Chicago GIL		









		IEEE/PES Substation Co	mmittee	- GIS Subcon	nmittee	-	
		esign Features of GIL ansmission Losses					J.
		Comparison of Overhead Line (OF Cost of Losses	IL) with	GIL			
		Transmission power	MW	OHL 1400	GIL 1400		
		Losses per system meter	W/m	580	180		
SE6		Losses per 32 system kilometer (20 miles)	MW	18.56	5.76		
		Difference between GIL and OHL	мw	∆ 12.80			
		Additional Losses of the OHL per year (Energy cost: \$0.10/kWh x 8,600 h x 12,		10,908,	000		
	T&D	Chicago GIL					- 17 -

