

...continuação		16. Intangível		Marcas e patentes		Projetos		Totais		Intangível líquido		Saldo em 31/12/2015		3		122		-		125	
		Software								Saldo em 31/12/2016		3		122		108		233			
Taxa amortização 20%																					
Custo do intangível																					
Saldo em 31/12/2015																					
Aquisição																					
Baixas																					
Saldo em 31/12/2016																					
Amortização acumulada																					
Saldo em 31/12/2015																					
Adição																					
Baixas																					
Saldo em 31/12/2016																					
18. Empréstimos																					
Instituição																					
Moeda/ Indexador																					
Vencimento principal																					
Encargos financeiros anuais (%)																					
Controladora																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					
2016																					
2015																					

continua...