





































New technology for replacement of old pipeline system	S dermany	
An Example: Advance length 60 meters, d = days		
Pipe-eating method with slurry system: set up 3.5 d, pipe eating 6.0 d, dismantling 2.0 d	Σ 11.5 d	
Pipe-eating method with guided auger system: set up 2.5 d, pipe eating 6.0 d, dismantling 1.5 d	Σ 10 d	
The new Invention method with short pipes*: set up 1.0 d, pulling process 2.5 d, dismantling 0.5 d *for example polymer concrete jacking pipe	Σ4 d	
The new Invention method with PE Long pipes: set up 1.0 d, pulling process 1.0 d, dismantling 0.5 d	Σ 2.5 d	
60 % - 80 % lower construction time!		
3°Congreso y Exhibición Latinoamericano de Tecnologías sin zanja y de Infraestructura Subterránea	Medellin 2014	































CIDD Cured in place pipe rehabilitation	a made
CIPP - Cured-In-place pipe renabilitation	in Corman
 Technical data: 9 x 400 – 600 W curing power including digital curing camera 6 x 2000 W curing power including digital curing camera Cable length 150 m, 250 m or 300 m 1000 W lamps, can be switched in 100 W stages above 400 W; 2000 W lamps can be switched from 1000 W to 2000 W Professional control, monitoring, recording and documentation Accessories Power supply 40 KVA Min. 5 t cable winch Air supply 500 m³/h 	
3 [°] Congreso y Exhibición Latinoamericano de Tecnologías sin zanja y de Infraestructura Subterránea	Medelín 2014

















































