

<b>Object</b>	<b>Redirection of waste water piping system, Schaan, Principality of Liechtenstein, Schaan</b>
<i>Project</i>	
<i>Place</i>	Central Plaza, FL-9496 Schaan
<i>Date of installation</i>	May 2007
<i>Building Authority</i>	Principality of Liechtenstein, Construction Departement
<i>Planner</i>	Hanno Conrad, Anstalt, construction engineering office, Schaan
<i>Building Contractor</i>	Hilti Bros. FL-9494 Schaan

<i>Type of line</i>	Waste water piping system with GUP-HOBAS tubes, DN 1000mm and DN 800mm
<i>Product</i>	STRAUB-FLEX 2LS, EPDM / SS
<i>Diameter Ø</i>	1026mm, 820mm, 1110 mm 1080 mm, 1099mm, 718 mm
<i>Sealing sleeve</i>	<input checked="" type="checkbox"/> EPDM <input type="checkbox"/> NBR
<i>Casing</i>	Stainless Steel
<i>Lock parts</i>	<input checked="" type="checkbox"/> stainless steel <input type="checkbox"/> galvanized
<i>Working pressure</i>	
<i>Test pressure</i>	
<i>Remarks</i>	

<b>Situation:</b>	The existing waste water piping system, consisting of asbestos tubes, has to be redirected because of a new projected coach terminal. The tubes has been placed by a so called "microtunneling" process. The connection between the old asbestos- and the new GUP-HOBAS tubes as well as the special HOBAS elements (e.g. man hole) must be realized by a coupling suitable system.
<b>Solution:</b>	The customer has decided to use following couplings: -STRAUB-FLEX-2LS, 1026mm, EPDM / SS -STRAUB-FLEX-2LS, 820mm, EPDM / SS -STRAUB-FLEX-2LS, 718mm, EPDM / SS -STRAUB-FLEX-2LS, 1110mm, EPDM / SS -STRAUB-FLEX-2LS, 1080mm, EPDM / SS -STRAUB-FLEX-2LS, 1099mm, EPDM / SS
<b>Customer benefits:</b>	Achieving of short assembling time (time saving) Limited space needed for assembling couplings and tubes



**Picture: upon**  
Intermediate connection piece between of old style asbestos tube and new HOBAS tube

**Picture: left**  
HOBAS “Man Hole” Part ready to built in



**Picture: upon and left**  
Training on place by a STRAUB Specialist connecting Asbestos with HOBAS tube by a STRAUB FLEX 2LS coupling



**Picture: upon**  
Intermediate piece to connect HOBAS tube  
DN 1000 with existing asbestos tube

**Picture: left**  
Mounted HOBAS “Man Hole” piece with intermediate  
piece and STRAUB-FLEX-2LS  
coupling





**Picture: upon**  
 Direct connection between existing asbestos  
 Tube DN 800mm with HOBAS tube DN 800mm



**Picture: right**  
 Limited space to assemble tubes and couplings



**Picture : left**  
 Finished assembled HOBAS tubes and HOBAS  
 "Man Hole" piece