

## EPDC U-line Project in Belgium



### Project Context

Since 2001, EPDC, the European Pipeline Development Company, prepares the development of a common carrier propylen pipeline to connect the ports of Rotterdam and Antwerp with their hinterland (Geel, Tessenderlo, Geleen, Cologne, Duisburg and Märk in the German Ruhr Area). The pipeline has a total length of about 520 km, measures diameters of 10 inch, between Antwerp Harbour and Geel Ineos, and 8 inch, between Geel Ineos and Märk, and passes three countries (The Netherlands, Belgium and Germany) in order to connect propylen producers and consumers. The purpose of the line is to make "propylen" available for the chemical and processing industry in a flexible way.

After a project stop (late 2005), EPDC decided to restart the project engineering. The project was taken over from the engineer involved in the design since 2001 and it was decided to continue the engineering country by country, using local expertise. In a first stage, Soresma prepared the methodology to restart the engineering and gave its advice with respect to further project split-up with respect to project implementation. Afterwards, Soresma was retained to continue the detailed engineering for the EPDC U-line project.

**Client:** EPDC, Sittard, The Netherlands

**Period:** starting from January 1<sup>st</sup>, 2006

**Location:** project on Belgian territory.

From Antwerp Harbour (south of BASF plant up to the Belgian/Dutch border near Maasmechelen) over a distance of approximately 135 km.



Propylen is extracted from crude oil and is the basic element for materials used in car industries (dashboards, upholstery), in packaging industries (bottles and crates), in electronics (computers), etc...



Soresma nv  
Britselei 23  
2000 Antwerpen  
tel: +32 (0)3 221 55 00

Soresma nv Haecon  
Poortakkerstraat 41  
9051 Gent  
tel. +32 (0)9 261 63 00

Soresma sa  
Chaussée de Louvain 484  
5004 Namur  
tel. +32 (0)81 20 18 91

info@soresma.be  
www.soresma.be  
ir. Marc Lanckzweit  
Contract Manager

**Scope of work:** detailed engineering of pipeline, LVS (line valve stations), CTS (custody transfer stations), MBS (main booster station), SCADA (supervisory control and data acquisition) and related items.

The pipeline detailed engineering concerns:

- project bottleneck determination
- pipeline route design
- design of major crossings
- tender preparation
- preparation of material specifications

**Project schedule:**

- request for quotation for 10" pipeline section Antwerp Harbour – Geel (Ineos) and for bulk pipes and fittings: September 2006
- Final Investment Decision (FID): December 2006
- materials ordering: from January 2007 on
- start construction works pipeline section Antwerp Harbour – Geel (Ineos): July –December 2007