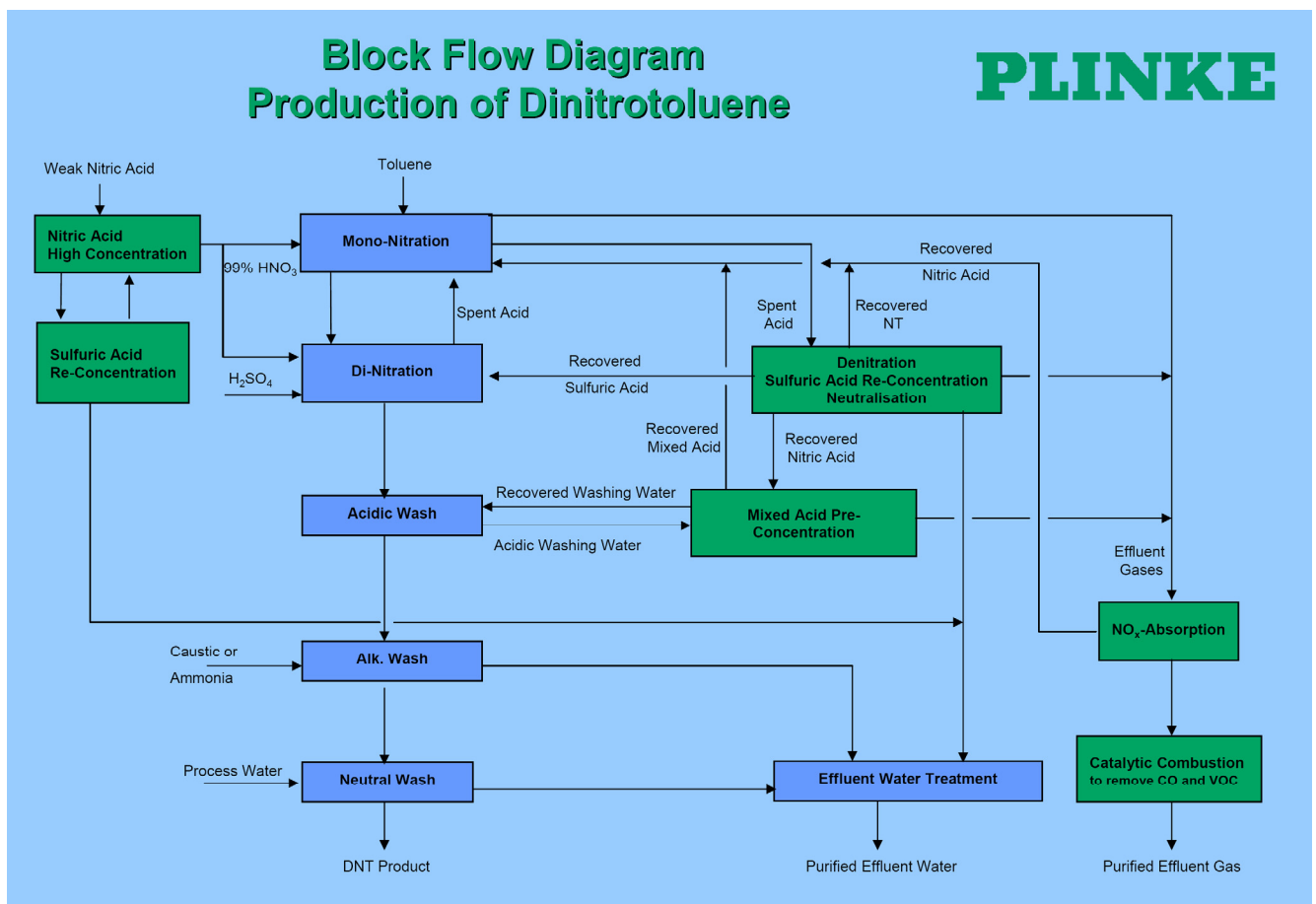


## 3<sup>rd</sup> Anniversary of Handing Over the World largest Nitric Acid and Sulfuric Acid Concentration Plant.

Since 2003 the world largest nitric acid and sulfuric acid concentration plant engineered and delivered by PLINKE to South Korea is in operation.

The plant is designed to concentrate weak nitric acid up to 99 % HNO<sub>3</sub> and to purify and concentrate spent sulfuric acid and acidic washing water from nitration process for recycling. Also effluent gas treatment for nitration and acid concentration plants is included. The thereby recovered nitric acid is recycled in the process. The plant serves a world scale TDI complex.

In the following Block Flow Diagram the main process steps for production of DNT, an intermediate for TDI, are presented. The PLINKE plant units are marked green.



In 2006 another world scale plant for nitric acid high concentration has been commissioned in South Korea and in total now more than 1,200 tons per day nitric acid 99 % HNO<sub>3</sub> are produced in South Korea using PLINKE Technology.