



## **Yara and IPCOS sign a global framework agreement for Advanced Process Control (APC)**

**Sluiskil (The Netherlands), Leuven (Belgium), Boxtel (The Netherlands), September 16<sup>th</sup> 2005**

**On September 5<sup>th</sup> 2005 Yara and IPCOS signed a global framework agreement for the deployment of Advanced process control within YARA.**

Yara and IPCOS have successfully deployed APC systems on the ammonia plants E and D of the Sluiskil site. In order to continue the worldwide installation of APC on more Yara units (e.g. Ammonia, Nitric Acid, Urea) an agreement was put in place to facilitate and speed up installation and maintenance services.

Currently IPCOS is performing feasibility and benefits studies on several units of Yara in order to setup a deployment plan for the next years. Good candidates are units in the Netherlands, Norway, Trinidad and Qatar.

Some citations:

Yara ammonia technology owner Danny Franceus: "Over the next couple of years we should implement APC in ammonia plants at several other production sites."

Sluiskil ammonia production manager Rik Lambotte: "The payback actually started already during the initial phase of project where we had to revise and reconsider the complete control and operating strategy of the plant. Now, with the APC system in on-line operation, production is stable at record-high levels."

Sluiskil nitric acid production manager H. Goossens: "I am convinced that this (APC) technology can be beneficial also in our nitric acid plants."

Sluiskil ammonia operator Etienne de Schepper: "APC has increased the maximum production level in Unit E." "APC minimize the production reduction during periods with disturbances and plant problems."

### **Regarding Yara**

Yara is the world's leading supplier of plant nutrients in the form of mineral fertilizers, an essential ingredient in modern agriculture. In a world characterized by continuous population growth and limited availability of new land for farming, soil productivity must be continuously increased in order to satisfy the demand for food. Mineral fertilizers are the only sustainable major source of the plant nutrients required to ensure production of enough food of good quality and this is at the base of Yara's mission to help feed the world.



## Regarding IPCOS

IPCOS is founded in 1995 as supplier of model based control and optimization solutions to the chemical processing, glass manufacturing, power and oil and gas production industries. IPCOS delivers consultancy, engineering services as well as complete solutions for model based process control, plant optimization and process monitoring . IPCOS, 'Creators in Control', describes exactly what IPCOS is and what we do. We create state of the art advanced process control solutions and offer the customer all the engineering services that are needed to install these solutions and keep them up to date. IPCOS focuses primarily on the (petro-)chemical, the glass manufacturing, the power and the oil production industry. Since we put a lot of effort in research we deliver state of the art products that are way ahead of our competitors.