

Start of the EU-Project RadiFLAT

On 1st of June RadiFLAT project has started under a consortium, which is funded by the Research Fund for Coal and Steel (RFCS). The project will be finished with 31st December 2021 and has a total budget of 1.74 million €.

Project objective is the realization of the worldwide first radar-based strip flatness measurement system, including strip edge detection for optimizing strip flatness and width for strip processing lines. The basic technology consists of a multi-radar system which is created to operate with a high frequency of up to 300 GHz and delivers reliable measurements even within an extremely hostile process environment (dust, vapour, high temperatures, vibrations, etc.). For this purpose the development of sophisticated signal processing with integrated disturbance compensation is essential.

Consortium members and their responsibilities within the RadiFLAT-Project:

- ASINCO GmbH (Germany)
 - Lead Management, Signal Processing, Single sensor integration, Control Algorithm Development
- Arcelor Mittal Eisenhüttenstadt GmbH (Germany)
 - System Integration, Testing
- Anteral S.L. (Spain)
 - Antenna Development/Design
- COMTES FHT AS (Czech Republic)
 - Mechatronical Design, Simulation
- Fraunhofer-Institut für Hochfrequenzphysik und Radartechnik FHR e.V. (Germany)
 - Sensor Development

A kick-off meeting will be held shortly at the ASINCO location in Duisburg and a project homepage will be set up.



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