In-Sight project: In-line characterization of nanoparticles using a combination of analytical techniques in real time

Julien Amadou\textsuperscript{a}, Mariëlle Wouters\textsuperscript{b},

\textsuperscript{a} Nanocyl SA, R\&D Department, Belgium (Julien.Amadou@Nanocyl.com)
\textsuperscript{b} TNO, the Netherlands (Marielle.Wouters@tno.nl)

In-Sight is an SME-driven project aimed to achieve real-time characterization of nanoparticles (NP) during nanomaterial (NM) manufacturing. InSight is developing new tools as well as optimizing available techniques that are capable of real time NP measurements in order to provide valuable information for the nanoparticle user. The In-Sight developed tools will enable monitoring real-time (including unexpected) changes in particles size, number and dimensions during particle processing. The outcome of the project will contribute to minimize batch failure, improved yield, troubleshooting scale-up. In addition, the in-line measurements will enable ‘quality by design’ throughout development of new products. In the first 18M, it has been shown that sample handling and measurement protocol are of extreme importance and require proper communication from producer to user. For further information, please visit www.fp7-insight.com

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