

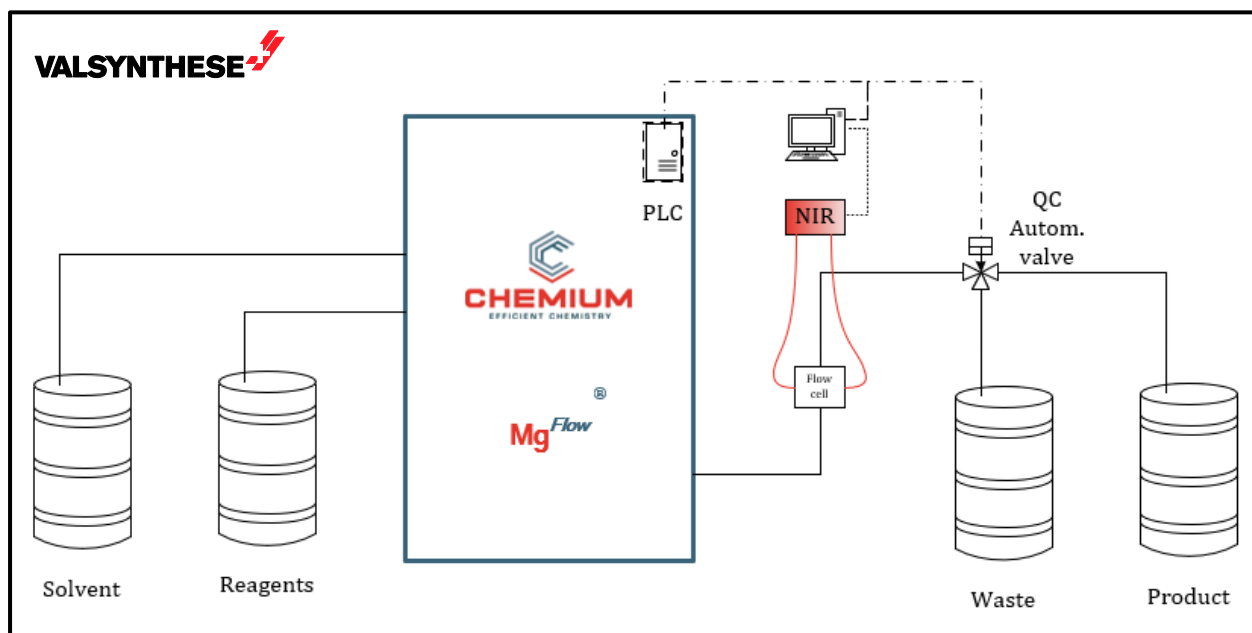
Multi-ton scale Grignard production allowed by Mg^{Flow} technology

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Grignard reagents^[1] are established as key assets in the toolbox of synthetic chemists^[2] and are relevant for the production of value-added commercial compounds.^[3] Furthermore, they are still today an active area of research^[4]. However, despite their broad synthetic scope, industrial syntheses and use of organomagnesium reagents suffer from a bad reputation as they are associated with critical safety concerns.^[5] To overcome this drawback, continuous processing was envisioned as a solution to this longstanding industrial challenge. The Mg^{Flow} reactor technology^[6] troubleshoots these hurdles allowing smooth production of organomagnesium reagents at large-scale. It is the newest commercial source of these essential chemical building blocks in the heart of Europe. The industrial scale Mg^{Flow} unit is hosted and operated at Valsynthese, a CDMO specialized in handling high energetic chemistries.



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