

## **Role of synTQ as enabling technology for continuous flow chemistry highlighted at CFC summit**

**13 October 2022**

**Optimal Industrial Technologies will showcase the role of Process Analytical Technology (PAT) in the realisation of smart factories, alongside consultant partner IBS Caribe, at IFPAC Summit 2022 in Carolina, San Juan, Puerto Rico. From 1st-2nd November, Optimal will demonstrate how its PAT knowledge management platform, synTQ, is key to leveraging the power of data to advance (bio)pharmaceutical manufacturing processes.**

The International Forum on Process Analytical Chemistry (IFPAC) Summit is a key platform for leading experts to discuss the most recent developments in PAT, Quality by Design (QbD) and the future of manufacturing. As a leader in the implementation of PAT and data-driven strategies that enable the digital transformation of business, Optimal will showcase how its award-winning, market-leading synTQ software is a key element in the factories of the future.

synTQ helps (bio)pharmaceutical producers develop unique process and product knowledge by combining real-time data from analysers and multivariate analysis models to evaluate physicochemical properties and determine quality. More precisely, it can detect when a process is moving out of its optimum operating window to drive manual or automatic corrections of the relevant parameters in real time, as they take place.

In addition, the software is regulatory compliant and offers a robust storage and reporting platform to address the need for data integrity in PAT.

Thanks to physical and procedural controls, companies can protect their records within the system and guarantee that they are authentic, incorruptible, and confidential.

Martin Gadsby, VP at Optimal, concludes: *“At the core of smart manufacturing frameworks are large volumes of data. These should be processed, analysed, visualised and stored in order to generate the actionable insights needed to create responsive systems and facilities in the information era. Our software, synTQ, supports these activities by providing a unified, comprehensive platform. We look forward to discussing the key features of synTQ at the upcoming IFPAC Summit and presenting the opportunities that can help biotech and pharmaceutical companies improve their operations.”*

[Visit Optimal Industrial Technologies and IBS Caribe at IFPAC Summit 2022, taking place from 1st-2nd November 2022 at Isla Verde Beach Resort, Marriott Courtyard, Carolina \(San Juan\), Puerto Rico.](#)

**Image captions:**



**Image 1:** Optimal will showcase its leading PAT knowledge management platform, synTQ, at IFPAC Summit 2022.

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## About Optimal Industrial Technologies Ltd

Within the Optimal group, we have more than 30 years' experience in the automation and optimisation of control and data management systems for the food, chemical, pharmaceutical, biotech, life science and other process industries.

The demands being placed on manufacturers in relation to getting products to market sooner, minimising development and production costs together with increasing product quality and business sustainability are ever increasing. Our primary aim is to deliver measurable improvements in all these target areas.

In addition to practical automation and system integration expertise, Optimal Industrial Technologies has also developed the world-leading PAT Knowledge Management software platform – synTQ® – which is used by over 60% of the world's leading pharmaceutical and biotech companies, and is now being adopted by other process industries. synTQ has been a proven enabler of QbD via PAT by significantly increasing productivity and quality, while reducing waste, time to manufacture and time to market for batch and continuous processes.

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