IPAC-RS Roundtable Series 2025:

Designing for a Sustainable Future: Strategies to Address the Device and Delivery System Lifecycle (Part IV)

April 1, 2025 – Bios

Panelists:

Gabriel Bjerner
Associate Principal Device Engineer
AstraZeneca
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With over 20 years of experience in Medical Devices and Combination Products, Gabriel Bjerner specializes in device combination product sustainability strategy and life-cycle management. He has experience across multiple device related fields such as quality management, laboratory operations, device design & development, post-market reporting, project management and patient-centered innovation. In his current role at AstraZeneca, he leads a sustainability team for a function responsible for technical support to marketed products.

Holding an MSc in Quality in Life Science Industry from Karolinska Institute, Sweden, Gabriel has contributed across a wide range of sustainability areas such as Environmental Protection, Ethics & Transparency, and Access to Healthcare. His commitment to global health was further reinforced through a Pfizer CSR Fellow placement in Rwanda on Sustainable Business Development for The Access Project NGO of Columbia University - Preparing a manual for the development of Rwandan Health Centers.

Mauro Citterio
Director, R&D and Industrialization
Plastiape Spa (a Berryglobal company)
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Mauro Citterio is a Member of the Board of Plastiape SpA (a Berryglobal company), where he leads R&D and industrialization activities.
He is named as inventor or co-inventor on multiple international patents and he has developed, codeveloped or industrialized almost fifty percent of the capsule based inhalers that are used every day in the world.

Since joining Plastiape in 1998, he has had various responsibilities, including development of medical device concepts and IPs, project management and inter functional coordination, equipment industrialization, technical and economical evaluation of new business opportunities, costing and pricing. During his long permanence in Plastiape he strengthened the company know-how in medical devices and founded the core team dedicated to regulatory compliance, thus facilitating the transition of the company from contract manufacturer to product owner and market leader in inhalation devices.
As a company shareholder and senior manager, he took part in various buy-out operations, putting his technical and market expertise at the service of the company growth.

Alan Harris
Chief Technical Officer
Bespak
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Alan Harris had a background in chemistry and polymer science before a 20+ year career in the pharmaceutical industry. Alan has held various manufacturing-technical and R&D leadership roles in innovator and generic respiratory pharma companies in the UK, India and China. Alan has recently joined Bespak as CTO, responsible for R&D and Regulatory support to pMDI and inhalation device customers. A key driver for Alan is supporting the "green transition", as the pMDI industry moves to use of lower GWP propellants and exploring opportunities to drive sustainability within product design and lifecycle management.

Ed Jackson
Product & Device Development Group Leader
Kindeva Drug Delivery
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Edward Jackson has 25 years' experience of actuator and dose counter development, optimisation and commercialisation at Kindeva, formerly 3M Drug Delivery Systems.

I've been the technical lead for our actuator with integrated dose counter platforms with responsibility from feasibility testing, design verification through to regulatory submission on several successful programs for US and European product launches.

I've also been our technical lead for the commercialisation and qualification of these devices. I work closely with our CDMO's and our customers to ensure all aspects of device development and development supplies from initial batches through to commercialisation meets the needs of our customers.

Recently I've been working with our partners and the resin suppliers to trying and understand what switching to sustainable materials actually means and how complex of a change is it to undertake.

James King
Ecodesign and LCA Lead
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With experience in product development, manufacture, and supply chain sustainability - James King has worked in major stages of a product's lifecycle and now specialises in the ecodesign of drug products. James has completed lifecycle assessments for respiratory products which have been externally verified and has used these insights with his manufacturing experience to lead ecodesign improvements across these product's lifecycle, including for Ventolin MDI and DPI products. James is looking to foster collaboration in key areas for MDI products such as propellant sourcing, recovery, and recycling.

Phil Smith
Principal Engineer
Vectura
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Phil champions Design for the Environment. Working on the development and commercialization of nebulizer and DPI device platforms during his five-year tenure at Vectura, he has successfully advocated for the application of these principles to Vectura devices while continuously seeking to broaden both his and his colleagues' expertise in this field. Phil has published on the use of bio-based materials, advocating for an industry-driven approach.

Glenn Svedberg
Group Sustainability & Technology Director
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After 15 years in Automotive and EMS industry, Glenn in 2005, moved to the plastic industry, where he started in the packaging industry with Rexam, now part of Berry Global, managing sites in Sweden and Denmark. Since 2007, he has held various leadership positions at Nolato, including Managing Director for Nolato Cerbo and Head of Pharma Packaging. From 2012-2014, he was based in the UK to integrate Nolato Jaycare. Passionate about lean philosophy, Glenn led the Medical Excellence program globally from 2017 to 2021 for Nolato Medical Solutions. In June 2021, he was appointed Group Sustainability Director at Nolato Group and Vice President Global Business Development for Medical Solutions. Since 2023, he also leads Nolato's Technical Design Centers globally across Europe, North America, and Asia.

Shaun Williams
Product Engineering Manager
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Shaun Williams has a background in Mechanical Engineer, with almost 20 years' experience in Engineering, around 10 years of this in Medical Device design, development and lifecycle management. He has a deep understanding of DPI device development and commercialisation, having supported numerous customers at all stages of New Product Introduction and Commercial manufacturing, across global markets. Shaun currently works at Bespak, in King's Lynn, as the Product Engineering Manager for Research & Development. Shaun is a member of Bespak's ESG Committee and has a real passion for advancing sustainability through design and lifecycle management.