

**Mr. Andy Rayner**

**Group Technology Director – PM Group**



Andy Rayner is a graduate Chemical Engineer with 25 years process design experience, principally in the pharmaceutical industry. He has been PM Dublin's leading pharma specialist for the past 20 years and has principally worked on vaccine; cell culture and fill finish projects in the last ten years. Recently Andy has been working on a number of large scale cell culture and vaccine facilities for companies such as GE Healthcare, Wyeth, Élan, Genzyme, Dr Reddy's, Intas Pharmaceuticals and Centocor (J&J).

Prior to that Andy worked as the lead for the process design of fill finish facilities for clients including Wyeth, Élan, Taro and Biocon for vials, syringes, ampoules and cartridges. Andy also has significant Medical Technology experience in lean manufacturing operations for companies such as Cordis (J&J), Ortho Clinical Diagnostics (J&J) and Abbott. Andy formerly chaired the European Batch Forum, developing the S88.01 batch control system guidelines in conjunction with the ISA. Andy is also a Chapter Author for the new ISPE Baseline Guide for Biopharmaceuticals.

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