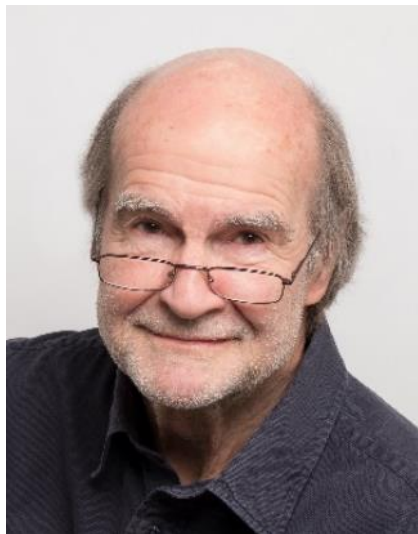




Ludwig Hermann

Senior Advisor at Proman Management GmbH



Dr. Ludwig has 35+ years of experience as technology, sustainability and innovation manager on three continents, was co-founder and long-term CEO of ASH DEC Umwelt AG, is co-inventor of minerals/ash decontamination, phosphorus recovery, energy conversion and efficiency technologies, author and co-author of several patents, reports, papers and book chapters on recovery of critical materials, nutrient recycling and renewable energy.

Currently Ludwig works as senior researcher and advisor at Proman Management GmbH, (www.proman.pro), a corporation founded in 2002 for designing, developing, managing, and evaluating innovation, research and development projects for business, policy makers and non-profit organizations. His team operates at the interface of academic and industrial research in collaboration with the Sustainable Mineral Resources Transdisciplinary Laboratory (SMR TD-Lab) at the Faculty of Business and Globalization of Danube University Krems, bringing together industry driven thinking and scientific inquisitiveness for integrated process solutions. The Proman team has authored and coauthored studies and policy recommendations on circular economy, nutrient and phosphate stewardship - mining, processing, use and recycling - on behalf of HELCOM, Finnish, German and Swiss governmental bodies.

Ludwig is president and member of the board of the European Sustainable Phosphorus Platform (ESPP), Brussels. He is member of the Scientific Advisory Board “Environment” of the Federal Institute for Materials Research and Testing, Berlin, of the Steering Committee of the International Water Association’s (IWA) Resource Recovery Cluster, The Hague and of Expert Groups dealing with plant nutrition, protection of soil, water and management of critical raw materials on behalf of the European Commission, Brussels.