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## Management Bios

### **Hydrologix® Systems LLC**

Markus Lenger, founder, President, CEO and Chief Scientific Officer

Robert Carr, founder and Director of Biological Systems

### **Hydrologix Grease Reduction Systems, Inc.**

Markus Lenger, CEO, President and Chief Scientific Officer

Robert Carr, Director of Biological Systems

**Markus Lenger** has been largely responsible for the vision and development of all patent pending technology developed for Hydrologix®. His vast experience and knowledge of the grease remediation industry has allowed him to develop a new grease reduction technology along with new systems that have five patents pending to-date. During this tenure he has developed the research and design of future technologies that will enable Grease Reduction Systems, Inc. to pursue new markets.

Dr. Lenger has a notable background in Biotechnology and holds a doctorate in High Energy Physics. He has over nineteen years of experience developing bioremediation processes and during that time has overseen implementation of his solutions in European and North American companies. He previously worked as a consultant in several environmental cleanup projects, and developed revolutionary processes for treating pollution. Tested during the EXXON Valdez oil spill in 1989 his was among one of the 3 most successful cleanup technologies. (Ref: US EPA and Chemical Engineers magazine.) Prior to co-founding Hydrologix® Systems LLC, in 2003, Markus was an IBM Senior Technical Solutions Manager for e-business, for 5 years. His teams designed numerous global e-infrastructures such as Bank of America, Nestle, ABB, IRS, Toyota, Washington Mutual, Equifax involving contract signings in the billion-dollar range.

**Robert Carr**, co-founder of Hydrologix® brings to the team, his special talent of finding the optimal mix of microbial strains to suit the application. He spent 12 years with Biological and Chemical Manufacturers, after graduating with a BS in Food Science & Nutrition. Since then, Mr. Carr has had over 18 years experience of custom blending nutritional and microbial remediators while developing markets for multiple biological, chemical and



nutritional manufacturers. He discovered unique systems, synergies and application details which resulted from in-situ field experience in a wide range of commercial development. He designed Custom protocols/applications for both quantitative and qualitative designed performance parameters, thereby creating data based cross over reference points for maximum bio-chemical catalytic pathways for organic decomposition/remediation potential. His further research consisted of exhaustive examinations of microbiological strains, species and their natural selective adaptation capabilities, limitations and function. These studies were undertaken to provide the necessary data to ascertain optimal kinetic energy/efficiencies. Additional research into intracellular proteomics and phosphorylation yielded performance increases of proportionate values providing net gains in overall system performance. The results of the time, labors and experiences are contained in a proprietary protocol for challenge testing of organic/inorganic remediation probabilities. This work has led Mr. Carr to successful custom adaption, development, inoculation, and fermentation of synergistic microbiological cultures for the past twelve years, to domestic and international commercial /industrial remediation projects.