



PetroBeam Announces the Formation of Technical Advisory Committee

Raleigh, North Carolina – January 12, 2009: PetroBeam, Inc., the leading developer of high energy electron beam processing techniques to upgrade heavy oil and bitumen, announced today the formation of a Technical Advisory Committee. Walter J. Chappas, Jr., PetroBeam's Chief Technology Officer, serves as the chairman of the TAC. Members of the TAC include:

- Jean-Louis Bol -- is co-founder of Ion Beam Applications ("IBA"), the global leader in electron beam accelerators with approximately 80% of the installed power worldwide, and serves as President of IBA Industrial. He has over 30 years of experience in developing particle accelerators and e-beam market applications. Under Mr. Bol's leadership, IBA industrial has become the world leader in electron and proton accelerators for industrial applications, including medical device sterilization, food pasteurization, safety and detection, oil upgrading, and crystal modification. Mr. Bol began his professional career at the Catholic University of Louvain-la-Neuve, Belgium.
- David Geddes -- is President of PREP Consulting, a firm specializing in refinery economics and planning. His experience includes twenty years at Bechtel Corporation. He has worked on feasibility studies and economic evaluations for refineries and petrochemical plants in the United States, Southeast Asia, the Middle East and South America. While at Bechtel he also managed the PIMS Group that developed the PIMS linear programming system, which is widely used in the refining and petrochemical industry for economic decision-making. Mr. Geddes received a BS in Petroleum Refining from the Colorado School of Mines and a MS in Chemical Engineering from the University of Colorado.
- Peter Kilpatrick, PhD -- is the Matthew H. McCloskey Dean of Engineering and Professor of Chemical and Biomolecular Engineering at the University of Notre Dame. He is renowned for his research on the colloidal and molecular properties of crude oil. He has consulted for over 20 global companies on petroleum chemistry and processing. From 1983 to 2007, Dr. Kilpatrick served on the faculty of the Department of Chemical and Biomolecular Engineering at North Carolina State University, ascending to the rank of Department Chairman from 1999-2007. He has published over 80 papers, delivered approximately 140 invited lectures and seminars, and currently holds 13 patents with 2 pending. Dr. Kilpatrick received an AB degree in chemistry, summa cum laude, from Occidental College and a PhD in chemical engineering from the University of Minnesota.
- Mieczyslaw ("Mietek") M. Boduszynski, PhD -- is retired from a distinguished 23 year career as a research scientist with Chevron Energy Technology Company. Prior to his career at Chevron he had more than 20 years of academic research involving several universities in the US and Europe. Dr. Boduszynski has been recognized by the ACS Division of Petroleum Chemistry for outstanding service as co-organizer for two symposiums, one on "Incorporating Chemistry into

Refinery Process Modeling," and the other on "Molecular Transformations in Petroleum Processing," both held at the National ACS Meeting, Chicago, Illinois, August 1995. In addition, he received the 6th UNITAR International Conference on Heavy Crude and Tar Sands Award in appreciation for co-chairing and participation in the Upgrading -- Research and Fundamentals session. Mietek is a member of the American Chemical Society and the Division of Petroleum Chemistry Inc., Division of Fuel Chemistry.

- Peter A. Vermont -- is a Managing Director of TES Ltd, a marketing communications firm serving primarily energy related companies. His experience includes nearly 20 years with Shell Corporation where his focus was on catalyst research. He has considerable experience in petroleum research and business development. Mr. Vermont received a HBO-b degree in Analytical Chemistry in Breda, The Netherlands.

About PetroBeam

PetroBeam, Inc. is the leading developer of electron beam processing techniques to upgrade heavy oil and bitumen. Founded in 2005, PetroBeam is a privately held technology development company engaged in world class scientific leadership and innovation designed to impact the global petroleum industry. Since inception, PetroBeam has raised over \$9.5 million of capital, including a \$6 million equity investment from Ion Beam Applications S.A., www.iba-worldwide.com, the global leader in electron beam accelerators with approximately 80% of the installed power worldwide. The company's corporate and engineering offices are located in Raleigh, NC and the Research & Development lab and demonstration plant is on Long Island, New York. For more information, visit the company's web site at www.petrobeam.com.

CONTACT:

Nancy Tamosaitis
Vorticom, Inc.
212.532.2208
nancyt@vorticom.com

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