

**Dr. Jean-Michel Espenan is President, Founder and Principal Owner of Polymem SA**, based in Toulouse, France. The company founded in 1997 is a manufacturer of Membrane and Membrane systems principally for water treatment. More than 200 plants (municipal and industrial) in the world are using membranes manufactured by Polymem with flow up to 40,000 m<sup>3</sup>/d or 11 MGD.

Polymem is also in the development of membranes for gas applications with a focus on CO<sub>2</sub> capture. Polymem is involved in several national and international collaborative research programs in the membrane field (liquid separation and gas separation). Polymem has got the INPI Award (INPI : National Institute for Industrial Property) for its policy in industrial property and an award for his export successes : “Pollutec Show 2011, Trophée Export” .

**Jean-Michel Espenan is one of the founders and President of WSM (Water Sensors Membranes)** an association that groups membrane and sensor companies as well as public research institutes of this field.

**Jean-Michel Espenan is Administrator (member of the board) of the Pôle Eau, the French National Association for innovation in the Water field and of the “Club Français des Membranes”.**

*Jean-Michel Espenan is a chemical processes engineer from the INSA of Toulouse (France) and has got his Ph.D on membrane manufacturing in 1984 under the direction of Dr. Philippe Aptel.*

*He joined then the IRCCHA, French Institute for Applied Chemistry, Vert-Le-Petit, France where he was, from 1984 to 1986, in charge of the development of the manufacturing of a composite hollow fiber membrane for alcohol concentration by Reverse Osmosis in wine making application.*

*Before founding Polymem, he belonged to the Suez group from 1986 to 1997 and to the Company Aquasource since its foundation in 1991 up to 1997 . He served as Director of the site for the manufacturing of membranes and membranes systems. (Aquasource is the subsidiary of Suez Environment Group (France) for hollow fibers manufacturing and membrane separation systems design and construction).*

*Jean-Michel Espenan is the writer or cowriter of 16 International Patents and more than 20 papers*

