Initiator Systems for High Exo-olefinic PIBs

Several systems have been developed that allow for the synthesis of low MW grades of PIBs with high exo-olefinic content (ca. 80-90%) at reaction temperatures above -20 °C, and closer to ambient temperature. Experiments have been exploratory in nature! The initiator components of these systems are most likely not recyclable but they do operate in nonpolar media and are cheap in cost. Dr. Lewis has devised (on paper) a great number (ca. 30 +) additional ideas related to the synthesis of HRPIBs that have not yet been tested.

Cost = $35-45k (Stage 1)
Likelihood of Success = 7.5
Earning Potential = Moderate
Return on Investment = Open to Negotiation.