

Some Industrial Applications of FactSage and its Family of Products in UBE Industries, LTD

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Abstract

Ube Industries have many business fields that handle High Temperature Processes. Some of them are "Cement making using Wastes", "Coal and Waste Plastics gasification for ammonia production", "Aluminum die casting for automobile wheel", "Coal-fired power plants", "Magnesia clinker making from sea water", "Coal sales and its technical research", etc. Especially, application of Fact/ChemApp/Aspen interface plays an important role in developing a "High Chloride Bypass System" in Cement making process, using chloride-containing wastes. Behavior of chloride compounds in a process and bypass ratio of chloride containing gas was determined by thermochemical process modeling. UBE awarded "Fujisankei Group Prize", the 15th Fujisankei Global Environment Awards, in recognition of its significant contribution to resource recycling through its business activities, especially the expansion of waste reuse at the Kanda Cement factory resulting from its investment in a "High Chloride Bypass System". Also, some other industrial application of FactSage and its family products in UBE are briefly discussed.