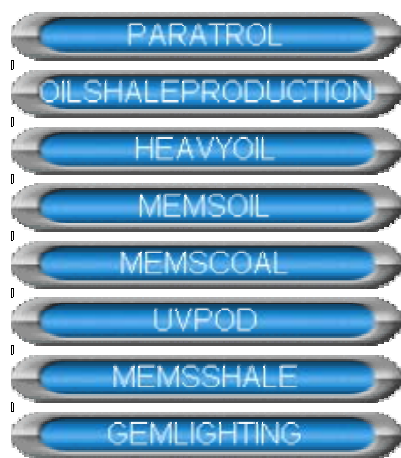


INDUSTRIAL ACTIVITIES



INTRODUCTION

The industrial processes described in this web site range from technologies that have been applied commercially to new innovations that still need research and development.

COMMERCIAL

Paratrol is the brand name for a system of heating the upper portion of producing oil and gas wells. It is designed to treat paraffin buildup in oil wells and eliminate hydrate buildup in gas wells.

ENGINEERED

The UVPOD is a new technological solution to prevention of infection by agents such as the bird flu (H5N1). Patents are pending and marketing of the product is beginning.

Oil shale production with microwave tools and microwave power beaming in the formation is described. This tool has been designed and tested in the laboratory.

CONCEPTUAL

MEMSOIL, MEMSSHALE, and MEMSCOAL are concepts for converting underground hydrocarbon deposits to electricity or hydrogen using microfluidic devices in specially designed horizontally drilled installations.