Long distances...steep slopes...curved terrain... Using advanced technology and state-of-the-art engineering, Frigate makes possible the seemingly impossible. Our conveyors overcome distances and topographical obstacles to transport your bulk material where you need it, when you need it. Frigate in cooperation with API (Germany) has earned the distinction of leading supplier of conveyor systems.

Our engineers have ensured maximum availability of these conveyors by designing and installing idlers which can be replaced while the belt is running. Integrated monitoring systems record malfunctions immediately to avoid greater damage and long stoppages.

Conveyor systems are the logical connection between the phases of mining, processing and storage. Our overland belt conveyor systems are custom made to meet the specific demands of the client’s needs, the type and volume of material to be handled, and the existing topography of the route, as well as the prevailing climatic conditions. They can be designed with belt widths of upto 3m and belt speed as high as 7.5m/sec.

Frigate’s development of efficient and reliable curved belt conveyor systems has opened up new horizons as far as conveyor transport of bulk materials is concerned. Conveyors can now be optimally routed to follow the contours of the terrain.

Frigate has lead the field in devising technical improvements for belt conveyor systems such as computer controlled tensioning, minimization of belt forces by installation of multi drives or intermediate drives and minimization of dynamic wave oscillation.

Cross Country / Long Distance Overland conveyors are the most cost effective means of transporting bulk materials over long distances, and costs are often lower than with truck or rail transportation. Costs can be kept down by installing the conveyor beside the existing road bed to facilitate easy maintenance and eliminate the cost of creating a special route for the conveyor.

Frigate has designed special maintenance cars which travel; whether on top or at the side of the conveyor to allow maintenance crews to access and make repairs or scheduled maintenance work to the conveyor at any point along its route, without the additional cost of ground access to the site.