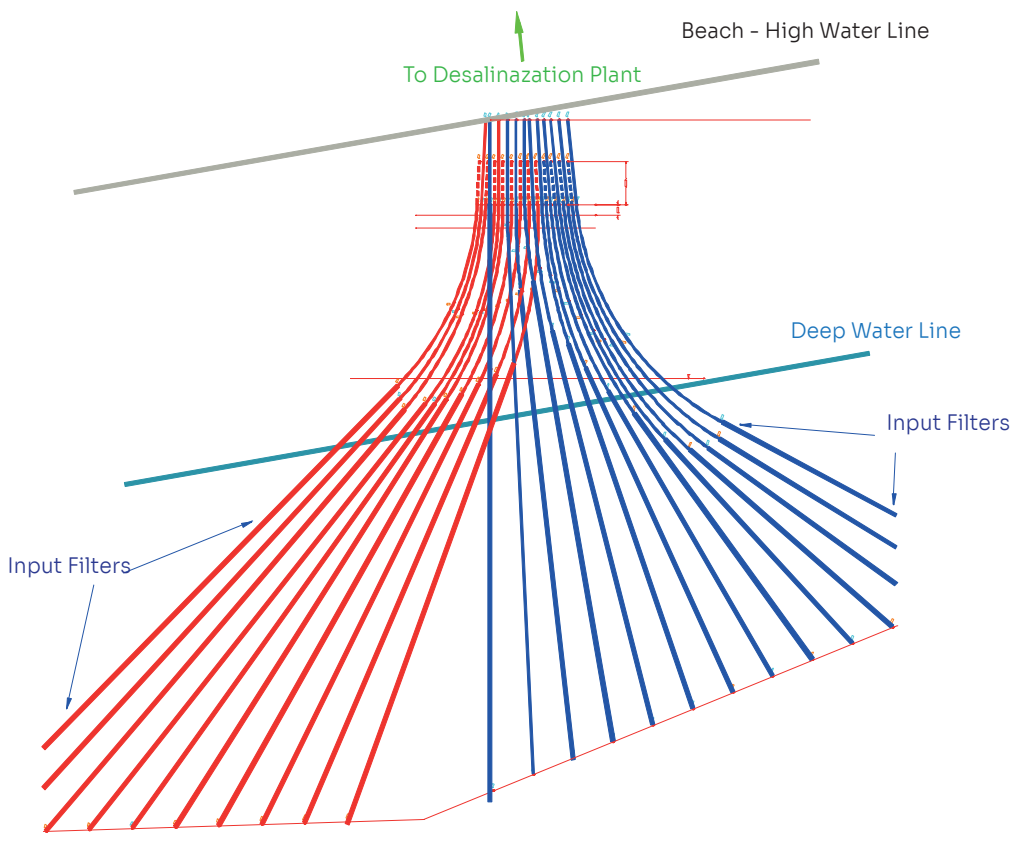


**Spanish Desalinization Inputs**



Catalana de Perforacions, an HDD company based near Barcelona, Spain, needed to install 24 input pipes in order to draw a specified amount of sea water into a new desalinization plant near Alicante, Spain. The entry points were planned at 2 metre centers, in order to limit the amount of beach work area in this major tourist area of the Gold Coast on the Mediterranean.

The active surf zone made it impossible to guide the lines to the required accuracies using conventional surface locating technologies. ParaTrack, developed initially as a parallel guidance tool was perfect for a project of this type. A first bore was drilled conventionally and a guidewire installed inside. The wire was pulled well offshore and anchored to a steel stake to provide an earth. The other end of the cable was earthed behind the rig on the beach. Signal amplitude was great enough to give us positive guidance for the extremely tight curves throughout.

Call for ParaTrack Guidance Services for your next difficult installation.