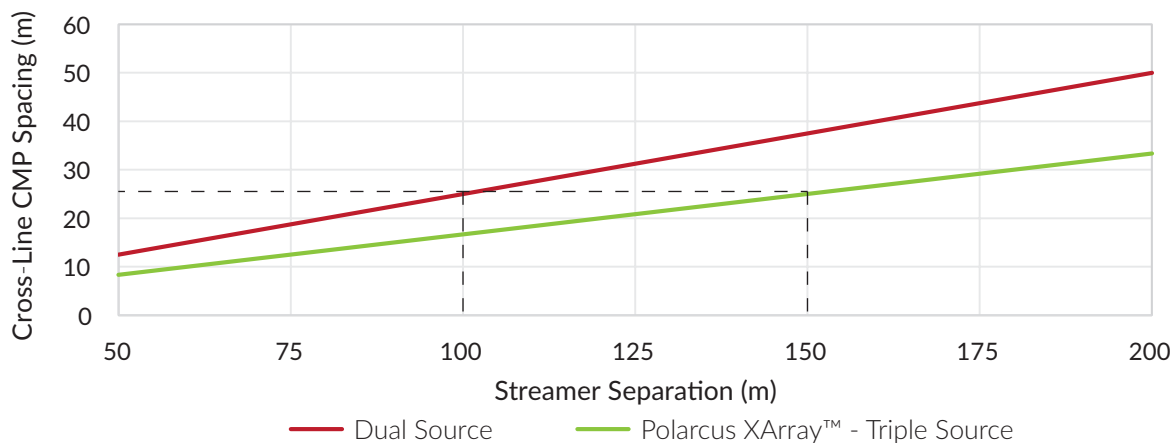


### Purpose

To enhance the resolution of data recorded both inline and crossline whilst maintaining the high productivity of large streamer spreads, achieved through the use of multiple sources, continuous data recording, and shot interference removal processing algorithms. Each project specific solution is developed by the survey design team in response to environmental, geophysical and operational constraints.

### Benefits

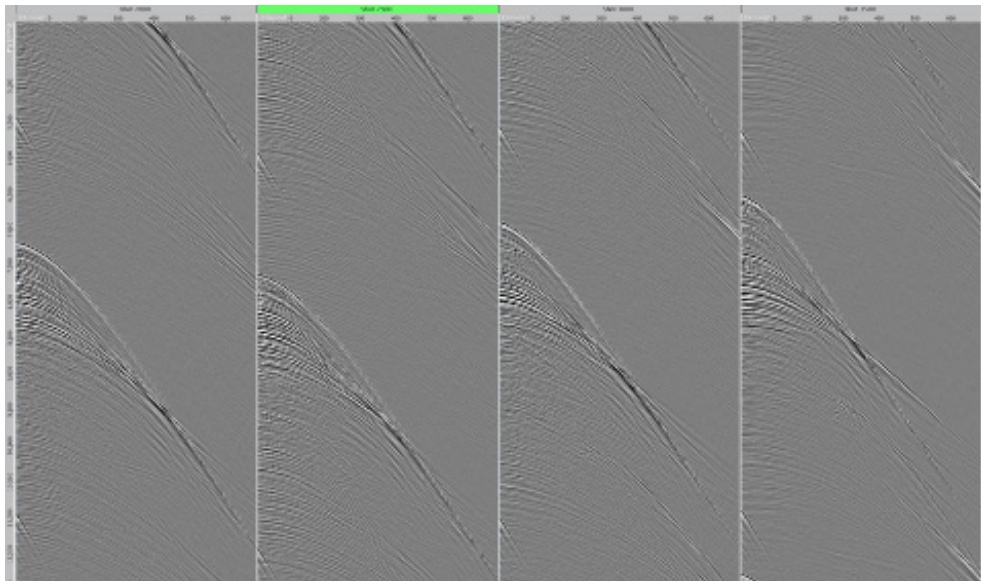
- Reduction in survey duration and cost by utilizing wide spreads without compromising geophysical quality
- Produces discrete measurements of inline and cross-line ray paths through the sub-surface at selected spatial sampling intervals
- Provides the flexibility to create client defined extended record lengths from “super-shots” to effectively capture data from far offsets
- Creates significantly increased shot-line density to maximise inline fold, thereby optimizing signal to noise
- Increases cross-line sampling, enabling wider streamer separations to be utilized with no reduction in cross-line sampling, as illustrated in the chart below:



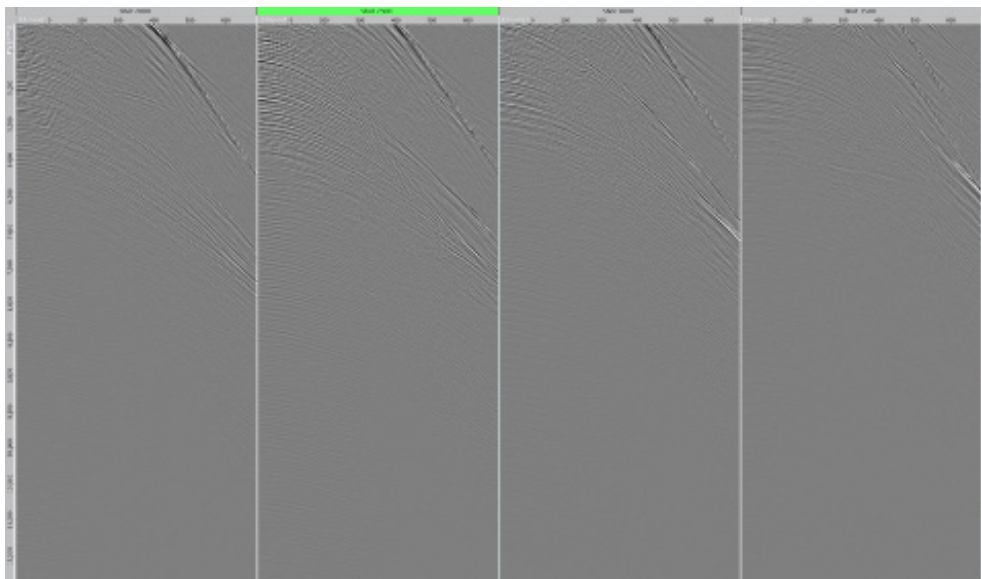
(A) CMP cross-line spacing with dual source / 100m streamer separation matches a triple source / 150m streamer separation

### Field Example

The example below demonstrates the effectiveness of the DownUnder GeoSolutions shot interference removal technique used on the Polarcus 3D multi-client project on Australia's North West Shelf, generating 12 second record lengths from 12.5m overlapped shots. Compared to conventional acquisition the reduction of shot interval to 12.5m results in >100% increase in surface shot density.



(B) Raw 12 second Shot Record before shot interference removal



(C) Raw 12 second Shot Record after shot interference removal

### Impact on EHSQ

Polarcus' geophysical initiatives contribute to our Green Agenda by minimizing the time our vessels must spend on location to acquire high quality surveys in a safe and efficient manner. This optimization of survey time reduces the global environmental footprint of our operations and minimizes the exposure of our crews in the remote regions of the world where our vessels are designed to operate.