

# Ex. PGS 1045



## More Efficiency

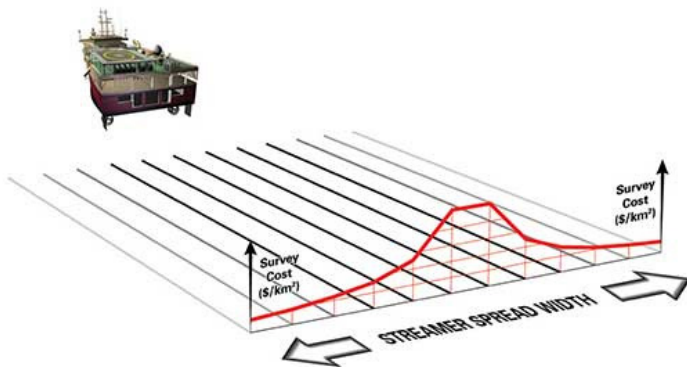
There are several reasons why the PGS fleet is the most efficient in the industry. Our back deck streamer handling and towing systems have been developed over 20 years. Each [Ramform](#) vessel has 12 to 22 streamer towing capacity. The vast unobstructed back deck areas facilitate quicker and safer deployment and retrieval of both equipment and workboats. This helps increase our efficiency and minimizes the risks to our personnel.

[GeoStreamer GS](#) involves deeper towing of both sources and streamers. This offers greater operational efficiency without compromising data quality. In fact, GeoStreamer GS records better [low and high frequency signal information](#) than any competing technology.

Sea swell energy decays exponentially with increasing depth below the sea-surface. That means GeoStreamer GS data is recorded in an environment that is quiet and [less affected by swell](#). The equipment is also less subject to current variations.

Since its launch in 2008, GeoStreamer surveys have demonstrated [negligible downtime](#) related to weather and sea-surface effects.

Survey efficiency and safety also benefit from proper pre-survey planning and project management. These consider geophysical, environmental and operational challenges and best practices.



PGS has been setting the industry benchmarks for 3D surveys since the early-1990s. Increased towing and handling capacity have clear advantages. As a result, the Ramform fleet has led the large-scale industry adoption of [HD3D](#), [HD4D](#), [multi-azimuth](#) (MAZ) and [wide-azimuth](#) (WAZ) survey geometries in most global regions.

The immense Ramform back deck facilitates efficient and safe handling of streamers on one deck level, source arrays on another deck level, and workboat handling from protected areas at the



*water line.*

*Current Ramforms have a back deck width of about 40 m. The Ramform Titan will be 70 m across the beam.*

