ABB technology driving the world’s largest icebreaking Azipod® propulsion fleet

SCF Group, a leader in energy shipping, operates the world’s largest ice-fleet powered by the pioneering icebreaking Azipod® propulsion.

Azipod® propulsion enables SCF’s vessels to cut through ice of up to 2.1 m thick. In similar conditions and without ABB’s leading technology, comparable ships would require icebreaker assistance.

2008
The first Sovcomflot vessels equipped with Azipod® propulsion came into operation: shuttle tankers Vasily Dinkov and Kapitan Gotsky

16 SCF vessels powered by Azipod® propulsion
33 Azipod® units powering SCF’s vessels

Up to 20% fuel savings, compared to conventional shaftline technology
More than 80 icebreaking or ice-going vessels powered by Azipod® propulsion
More than 700,000 tons of saved fuel with Azipod® propulsion

15,000,000 Azipod® operational hours in total
Unit power available From 1.5 up to 22 MW
6.5 days The record for independent transit of the Northern Sea Route, set by an icebreaking LNG carrier with three Azipod® units (Christophe de Margerie)

Shuttle tanker TIMOFEY GUZHENKO
Icebreaking supply vessel SCF SAKHALIN
Icebreaking supply vessel VITUS BERING
Icebreaking supply vessel ALEKSEY CHIRIKOV

Azipod® units powering SCF's vessels