New sub packs greater firepower

The Republic of Singapore Navy’s first newly-built submarine will be able to stay submerged longer, have greater firepower, and more capable sensors. Named Invincible, it will be the first of four Type 218SG submarines customised for Singapore’s needs.

CURRENT FLEET (TO BE REPLACED)
Two Archer-class submarines

NEW FLEET
Four Type 218SG submarines – named Invincible, Impeccable, Illustrious and Inimitable – will be delivered from 2021 onwards.

SHIP SPECIFICATIONS
- 50 per cent longer endurance from fuel-cell Air Independent Propulsion system, can stay submerged for weeks
- Greater firepower through bigger payload capacity
- Advanced automation and sense-making systems, including data analytics and decision support engines developed by DSTA

LENGTH OF INVINCIBLE
70m
Surface displacement 2,000 tonnes
Submerged displacement 2,200 tonnes

TYPE 218SG TIMELINE
- 2013 Deal signed with thyssenkrupp Marine Systems to buy two new submarines
- 2017 Defence Minister Ng Eng Hen announced purchase of two more, bringing total to four
- 2019 First Type 218SG launched in Kiel, Germany. Sea trials and crew training to commence in Germany
- 2021 First Type 218SG to be delivered
- 2022 Second sub to be delivered
- From 2024 Last two to be delivered

Source: MINDEF  STRAITS TIMES GRAPHICS