

North Korea's second strike capability

North Korea may have fired another submarine-launched ballistic missile – a technology it had been developing before it halted all long-range missile testing and began talks with the U.S. in 2018

Sinpo-class submarine

Length: 68m
Speed: 10 knots (dived est.)
Propulsion: Diesel-electric
Crew: 30-50

Conning tower: Satellite imagery indicates submarine has one or two launch silos mounted in sail

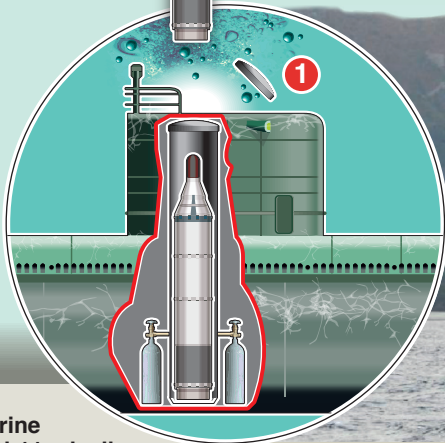
Two or four torpedo tubes

NK-11 (Polaris-1)

Length: 9.3m
Warhead: 650kg

1. Cold launch: Missile expelled from silo by compressed air

2. Solid fuel engine ignites above water



■ **Apr 2016:**
First submarine launch of KN-11 missile

■ **Jun 2018:** First summit between **Kim Jong-un** and U.S. President **Donald Trump** in Singapore

■ **Feb 2019:** Second meeting in Hanoi breaks down after North refuses nuclear disarmament in return for lifting sanctions

■ **Jun:** Trump and Kim meet for third time at Demilitarised Zone between two Koreas. Meeting followed by series of short-range launches over next months

■ **Oct:** North Korea thought to have launched first undersea missile in three years