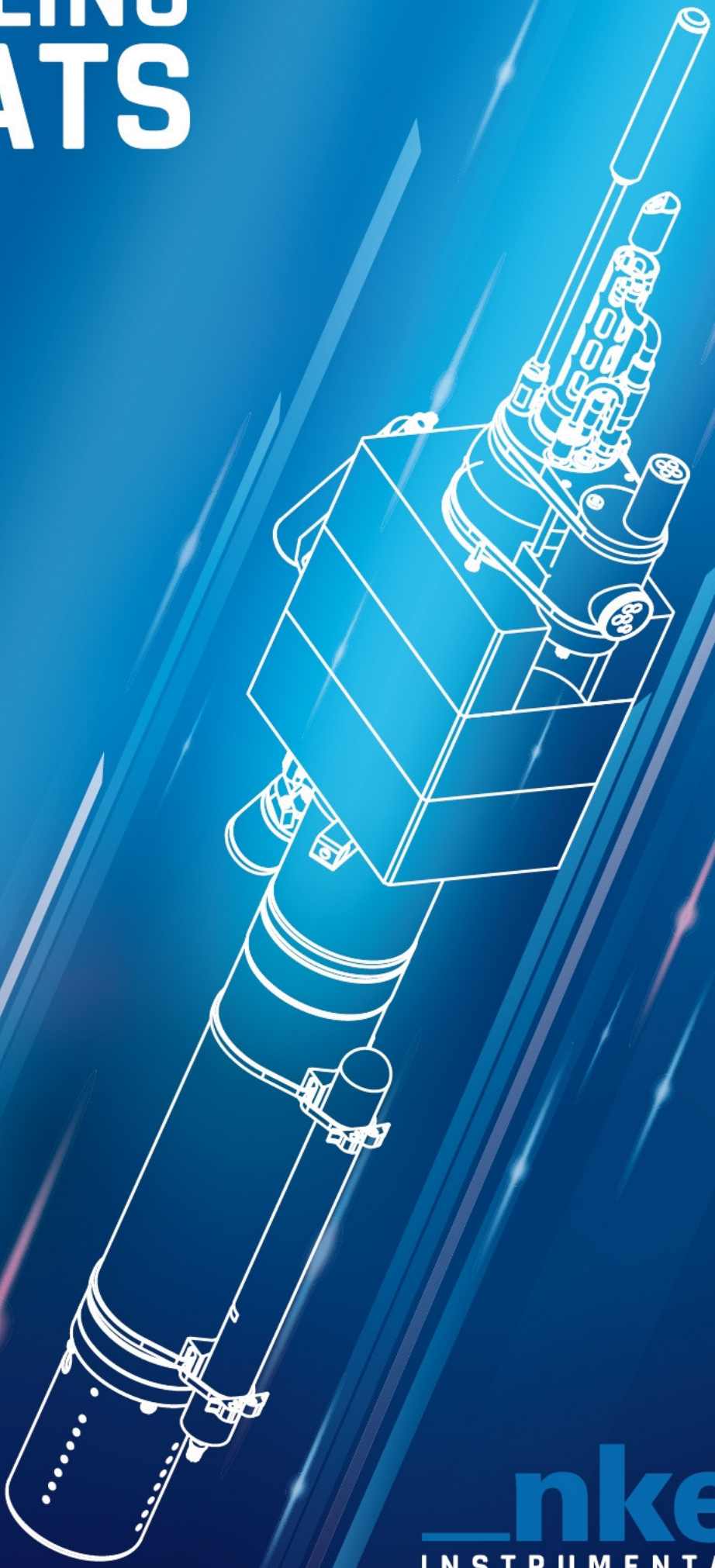
PROFILING FLOATS



nke INSTRUMENTATION

ARGO PROGRAM

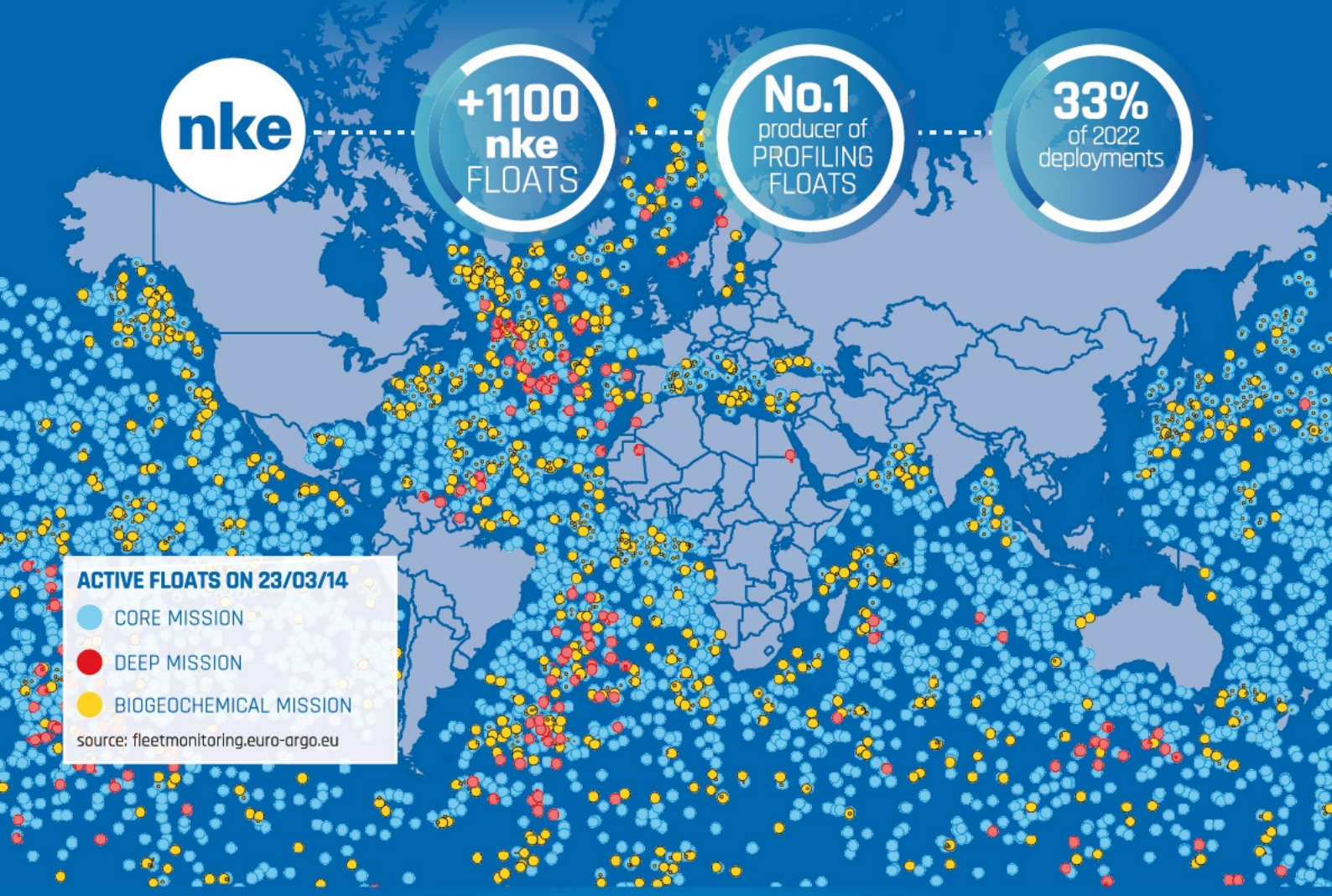
Launched by UNESCO, ARGO is a scientific program that includes a network of more than 4000 oceanographic floats from 25 countries. Provide valuable information on the oceans and their role in climate. This aims to ensure the sustainable development of our planet.

nke

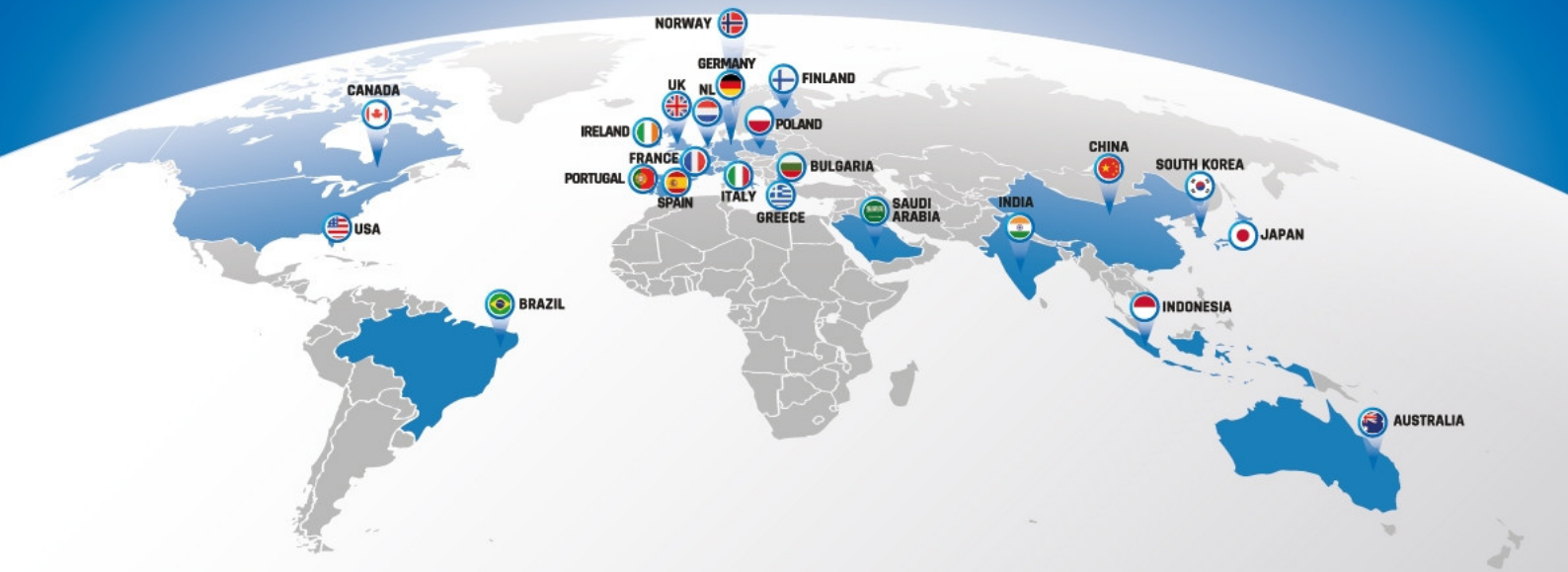
+1100 nke FLOATS

No.1 producer of PROFILING FLOATS

33% of 2022 deployments



nke worldwide customers



CORE
MISSION

Core Argo floats ARVOR and PROVOR profile from 2000m depth to sea surface. It covers the upper half of the volume of the ocean.

The goal is to observe ocean signals related to climate change: Regional and global changes in ocean temperature and heat content, salinity and freshwater content, the steric height of the sea surface in relation to total sea level, and large-scale ocean circulation.

Up to 300 Argo profiles

CTD and optional DO sensors

Down to 2000m depth

Up to 7 years in autonomy

Iridium satellite communication

BIOGEOCHEMICAL
MISSION

Biogeochemical floats CTS4 and CTS5 are designed to profile from 2000m depth to sea surface. The six main parameters are pH, oxygen, nitrate, chlorophyll, suspended particles and downwelling irradiance.

The objective is to drive a transformative shift in our ability to observe and predict the impact of climate change on ocean ecology, metabolism, carbon uptake and marine resource modeling.

Up to 12 parameters
Optional sensors:

- Under water vision profiler
- Micro turbulence transmissometer
- Flexible scheme

Down to 2000m depth

Fully configurable

Iridium satellite communication

DEEP
MISSION

The scientific community agrees that a systematic sampling of the full ocean depth is needed to close the planetary budgets of heat and freshwater, and the global sea level budget.

This is the aim of the Deep floats like Deep Arvor able to deliver conductivity, temperature and oxygen data from 4000m depth to sea surface.

Up to 150 Argo profiles

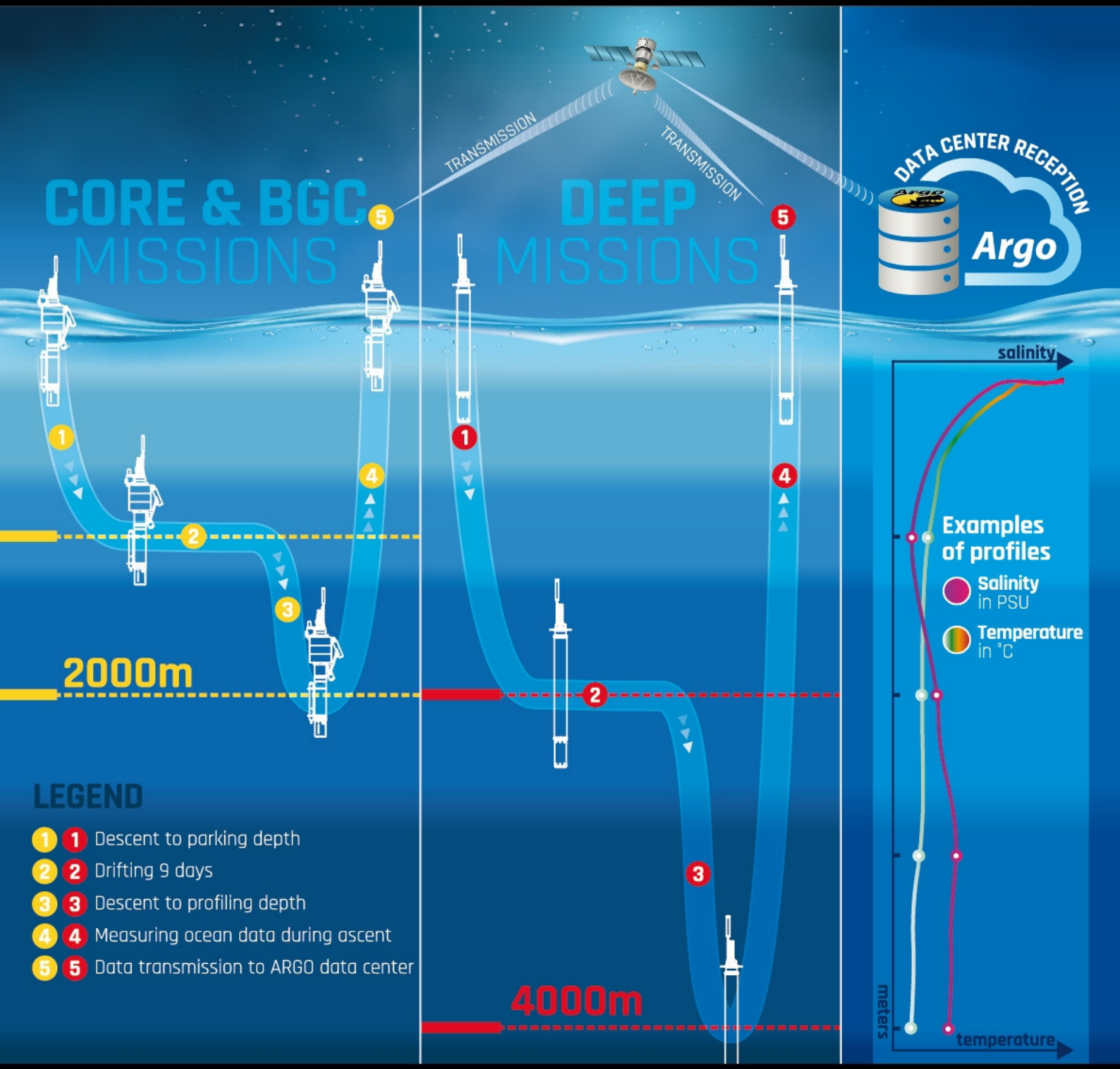
CTD and optional DO sensors

Down to 4000m depth

5 years in autonomy

Iridium satellite communication

PROFILING
PROCESS



SALES DEPARTMENT

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