



535 4th St, Bremerton, WA 98337 · salish.systems

TRACKING NO.	SLS-409
PROGRAM	KINGFISHER
CATEGORY	Sensors & Payloads
FISCAL YEAR	FY2026
CONTRACT AWARD	13 FEB 2026

## CAPABILITY BRIEF

# SPINDRIFT

SLS-PROPRIETARY

## Surface Radar & ESM Payload

Spindrift is the surface radar and ESM payload — the active and electronic-warfare counterpart to OSPREY's passive optics. KINGFISHER detects and classifies surface contacts by their radar returns and their own emissions, building an emitter picture at standoff range for the fleet C2 layer.

### KEY CAPABILITIES

- Compact AESA surface-search radar with ISAR imaging for classification.
- Radar ESM (RESM): intercept, deinterleave, and classify emitters at standoff.
- Pre-mission emitter library matching (friend / hostile / neutral / unknown).
- Fuses with AIS and EO/IR for high-confidence contact identification.
- Feeds classified tracks and emitter alerts straight into ALDER (SLS-305).
- Mast-mounted for integration on HERON and ORCA hulls.

### PLATFORM AT A GLANCE

## AESA

RADAR

## RESM

ESM

## Emitter ID

OUTPUT

## Standoff

RANGE

### PAYLOAD PROFILE

RADAR	Compact AESA surface-search	IMAGING	ISAR
RADAR BAND	X-band	ESM	RESM intercept
ESM FREQUENCY	0.5 - 18 GHz	FUNCTIONS	Deinterleave + classify
LIBRARY	Pre-mission emitter set	DETECTION	Radar + emissions
IDENTIFICATION	Friend/hostile/neutral/unknown	FUSION	AIS + EO/IR
PROCESSING	Onboard	MOUNT	Mast
POWER	< 220 W	INTERFACE	CEDAR / ALDER
OUTPUT	Tracks + emitter alerts	HOSTS	HERON, ORCA

### CONCEPT OF EMPLOYMENT

KINGFISHER builds the electronic picture at standoff — intercepting and classifying emitters, imaging contacts with ISAR, and fusing AIS and EO/IR for high-confidence identification passed to ALDER (SLS-305). It complements the passive optics of OSPREY (SLS-406), giving the surface fleet both an active and an electronic-warfare sensing line.