Teledyne CARIS perspectives on S-100

Southern African and Islands HC Meeting

Juan Carballini

Ready, set...go!

- We are ready to support organizational adoption of S-100
- Embedded in standards development
- Trusted technology partner
- Access tools, training, and professional services









Part of a bigger picture

Digitalization across Maritime sector

Opportunities and challenges





Collaboration & partnership

- Learn from each other successes and failures!
- Coordinate efforts
- Leverage existing implementation approaches, workflows and infrastructure
- We all need to get there together for this foundation piece to be established

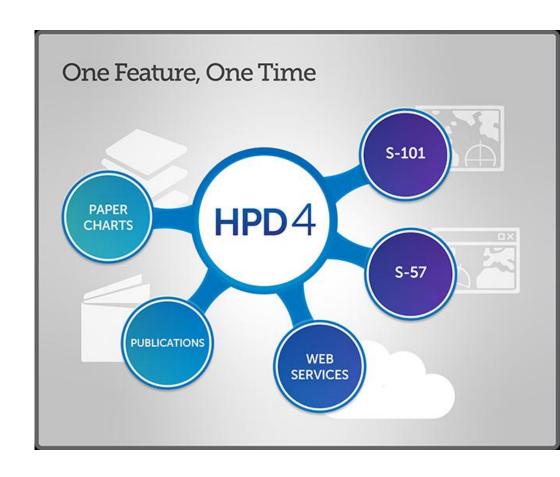


CARIS' Juan Carballini with S-100 workshop participants and SOHMA Authorities



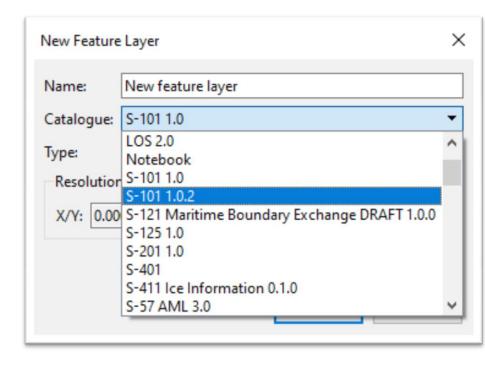
S-100 tools

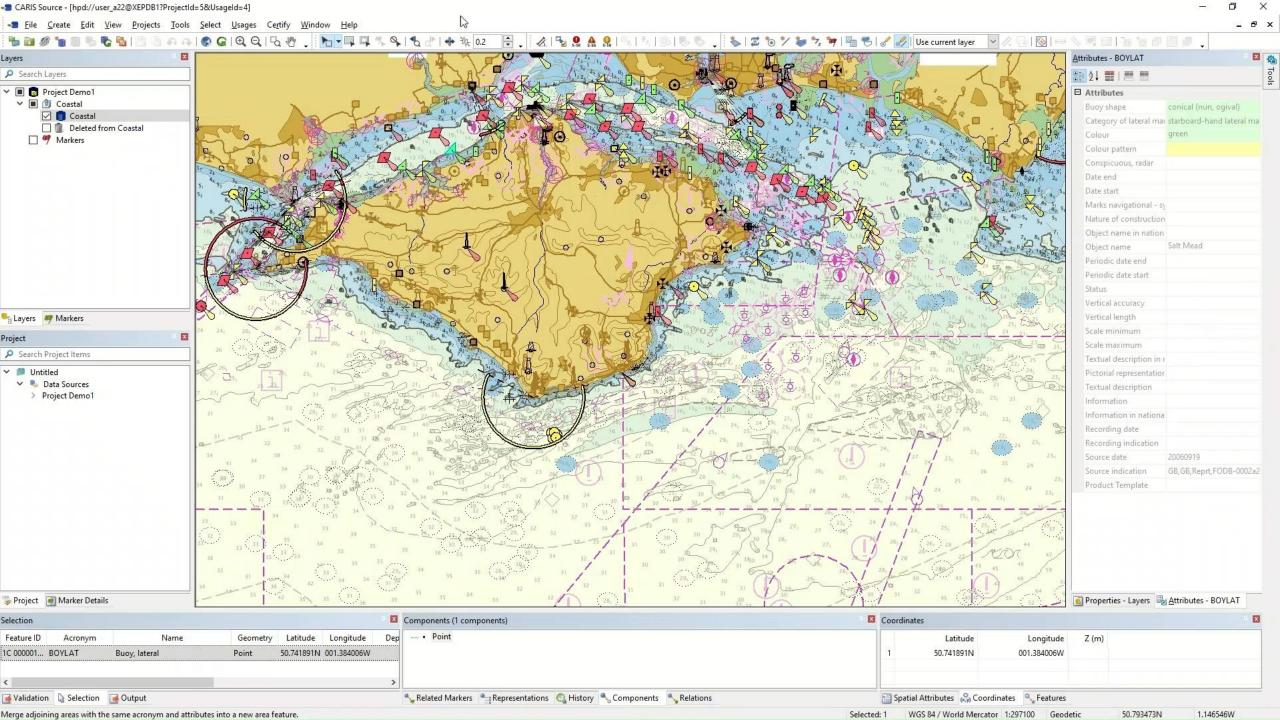
- Enabling S-100 production
 - HPD needs the S-100 module
 - S-57 Composer needs the S-100 module per application instance.
- Once acquired, S-101 configuration is ready for use, with other specifications easily added to the product folio.
- BDB powers S-102 and other raster overlay product creation



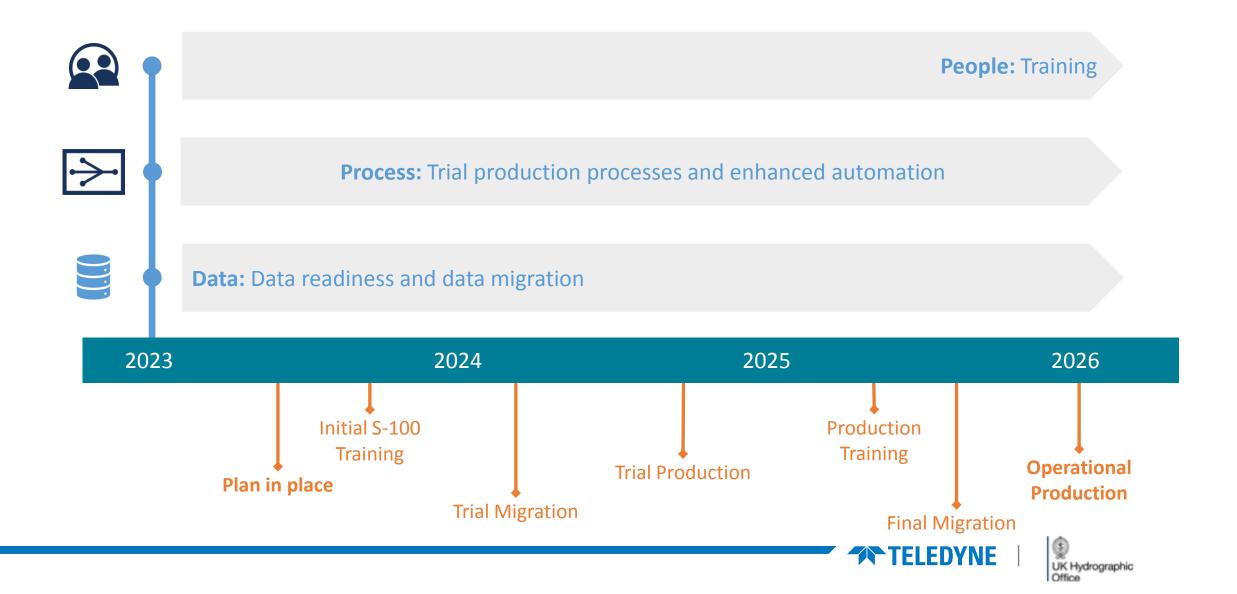
S-100 tools

- S-100 module provides functionality to
 - Edit S-100 vector features
 - Convert S-57 ENC <-> S-101 ENC
 - S-100 vector HPD Source database
 - Export S-101 new editions and updates
 - Create and edit S-101 exchange sets
- BDB & CARIS Cloud provides
 - S-102 datasets
 - Bathy Data Service is the distribution pipeline to push raster data to RENCs and other stakeholders
- Opening S-100 datasets are supported in all CARIS desktop applications





Plan to achieve dual-fuel production



Training and consulting

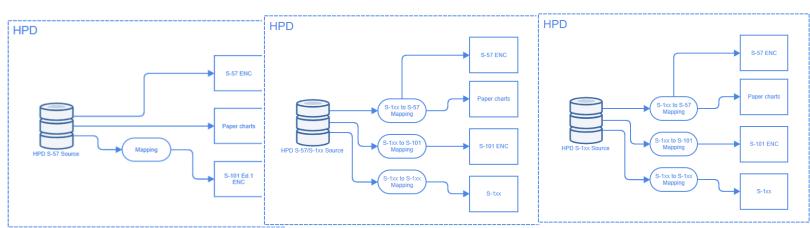
- Instructor led courses
 - Onsite or remote
 - HPD, S-57/S-100 Composer, Workflow Automation
- E-learning
 - S-100 theory and concepts workshop
 - S-101 Production Course
- Webinars
 - Recent ones for Automating ENC and Paper Chart workflows
- Consulting

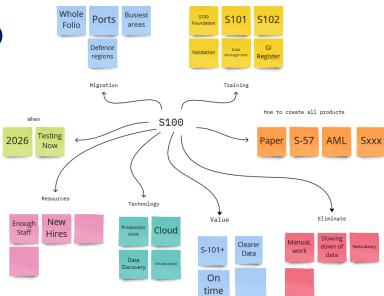


Case Number: CXXXXXX-XXXX-1 2020/XX/XX

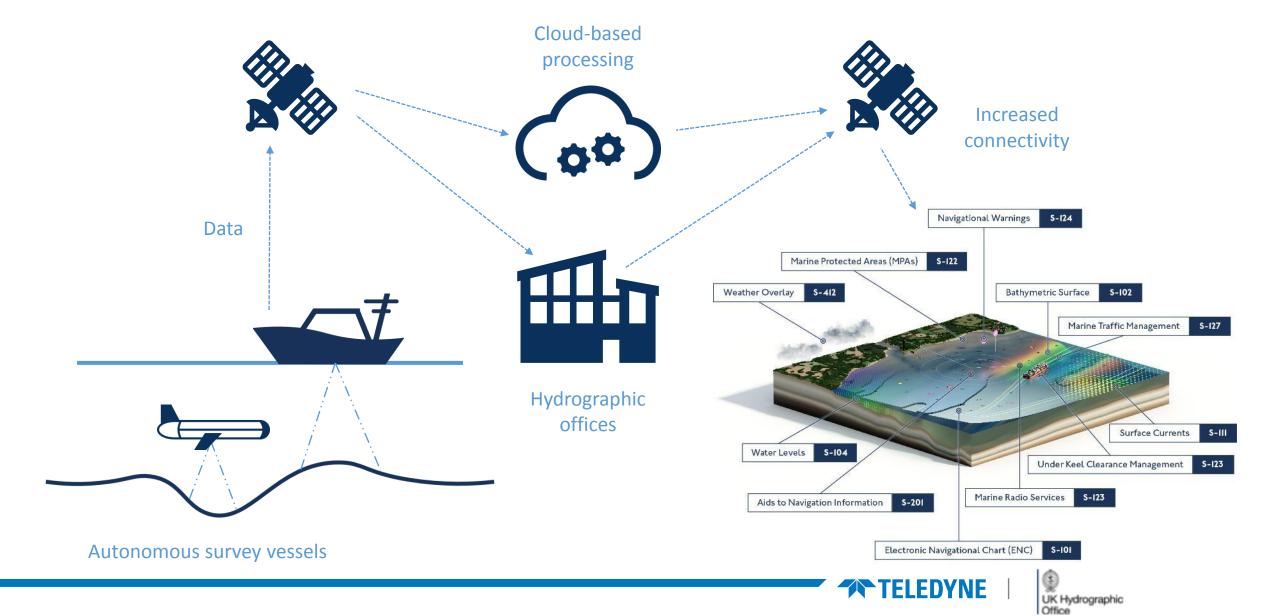
S-100 Sandbox

- A Cloud based, secure environment for S-100 enabled HPD
- A customizable environment that we manage for you
 - With relevant to your CARIS system files
 - Your test data and data model
- Subject mater expert guide to facilitate your S-100 aims
- Single or multi use environments



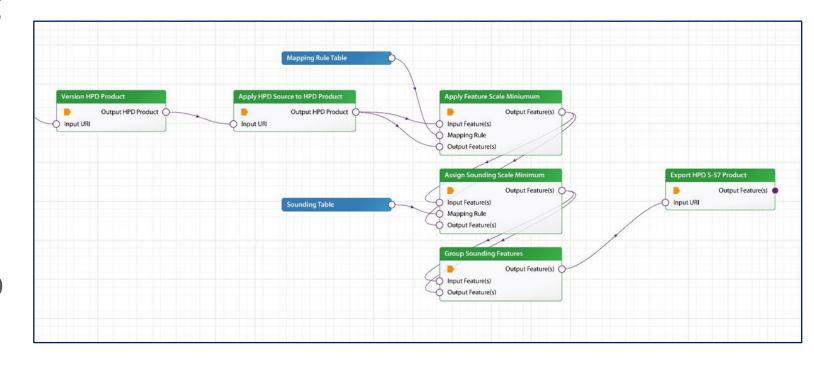


S-100 transformation

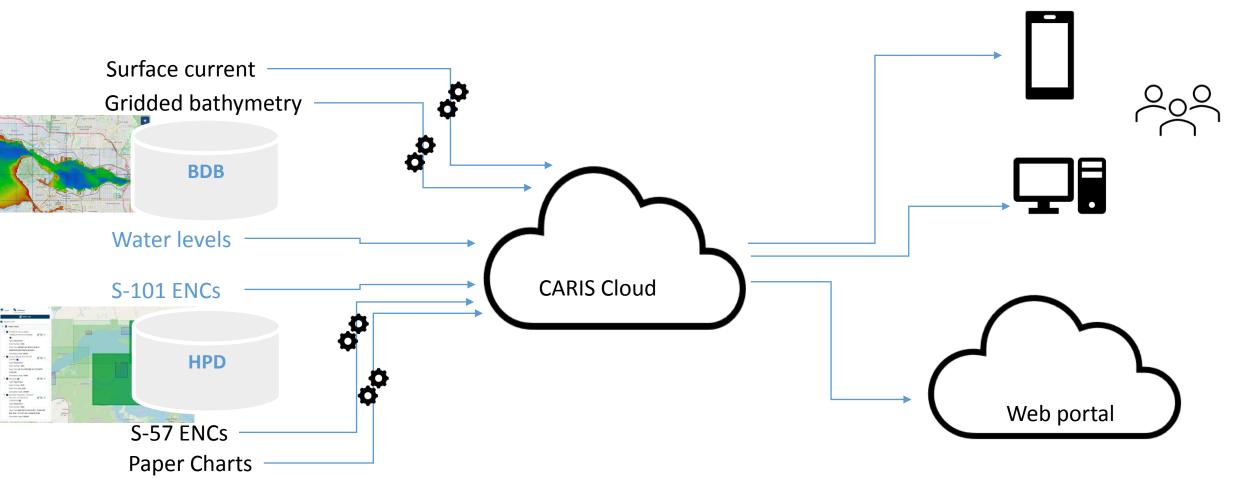


Automate workflows

- Survey data processing in HIPS
- Survey data loading and validation in BDB
- Bathymetry compilation
- ENC production in HPD
- Paper charts in HPD



Turn-key production to cloud services connection



Start a pilot project!

Example: Canadian S-111 & S-102 distributed by PRIMAR Chart Catalogue

- Bathymetry served from CARIS BDB
- Surface Currents served from Environment Canada
- Data flows through CARIS Cloud Services, usage is monitored
- Next add SevenCs Validation service, plans to add S-104



