

## Scope: Subsea Structural Inspection Reporting System

An integrated package for the inspection classification of a subsea structure components list with a video recorder controller facility.

The screenshot shows the 'Scope' software interface. At the top, it displays 'AnOilCo Scope' and 'Pisys INSPECTION PROGRAMME 1996'. A filter is set to 'UnNamed All Components' with a timestamp of 18:02:21 on 19/07/96. The platform is 'A Platform'. The selected component is 'Component C-1/10' with details: Activity: GVI, Zone/Levels: 10&11, Location: General, Drawing No: G331-06 Rev B, Diameter, Wall thick, and Fmd Orient. Comments include 'Seawater Pump Caisson C1'. Below this is a table for 'Previous Non-conformities' and 'Inspection Status This Campaign'. The inspection status table shows one entry: 'OK' on '23/05/96' at '19:06:08' with the description 'Inspection planned and completed with satisfactory results'. At the bottom, there are fields for 'VT No: Dun96/2', 'VT Start (RT): 15:47:10', 'VT Start (CTR): 0:26:01', 'VT Stop (RT): 15:48:21', and 'VT Stop (CTR): 0:26:36'. Control buttons include 'Record 1 Of 1', 'Closed', and 'STOP'.

- Imports work-scope list and histories of subsea structure components from master database or manually create list on a simple entry screen.
- Flexible configuration and storage of component list filters.
- View components in a single or list format.
- User can allocate a number of inspection status codes to components.
- Multiple users with three levels of security.
- Control video recording, play back and search via DDE link to PVC-IA232 or PVC-AG5700. Time is recorded on second audio channel when using PVC-IA232.
- Automatically fills VT time, tape count, etc. during recording and classification.
- Current component is appended onto video overlay output from ROV PC.
- Generate Anomaly lists, reports and video logs.

**The Scope System can be supplied as an independent offshore inspection and reporting tool or it can be integrated with a powerful off-line facility for full historical analysis and the planning of offshore inspections.**

Components can be defined and inspection tasks assigned. Inspection campaign 'work packages' including historical anomalies can then be created from a master database.

On completion of the offshore inspection the updated component data can be incorporated into the on-shore 'master' database for further analysis along with previous inspection data.

**Scope**

LOGO 1 **Scope** 2 Campaign 5 Inspection Programme 1997

Platform Platform 1 Scope V3.0b

Not Filtered Open Components 15:45:51 15/10/97

View Form As Edit

Single List Filters

**Component Component 2**

Activity: MAP Drawing No: Diameter: Zone/Levels: Depth\_1: Wall thick: Location: Z 01A C Depth\_2: Fmd Orient: Comments 1: VERTICAL DIAGONAL BRACE

Campaign	Status	Description
Campaign 1	CK	Crack, confirmed or not, detected by any method.
Campaign 1	AD	Anode defect or damage.
Campaign 2	TD	Toe defects, within or associated with welding.

Inspection Status This Campaign

Status	Date	Time	Engineer	Description
OK	15/10/1997	15:43:44	Admin	Inspection planned and completed

Video Seq: 1 VT Start (RT): 12:45:00 VT Start (CTR): VT Stop (RT): 12:51:10 VT Stop (CTR):

Record 2 Of 3 Open VCR

**Configure Filters**

Filters Off Filter Configuration Filter Name: Planned 08.06.96

List Open New Open Save Save As Delete Ok

Component Filter Selection

Status	Component	Type	Activity	Dwg No	Location	Date
NA	R	GVI	G331-03 Rev B	General		
NA	C	FJ/1	CVI GVI	G331-03 Rev B	General	
	R					

Zone/Level	Depth 1	Depth 2	Diameter	Wall Thick	Fmd Orient	VT No.
10&11						
10&11						

Delete Selected Item Clear Selected Filter

**IA232 Video Control**

Online

01 Port 02 Centre 03 Starboard

Mode: Offline Playback

03 : 00:19:17 No Response From Video

Rec. Period 0:00:14 Local Time 08:51:00

13:50:39 No Response From Video

7 2 1 15 130 130 15 1 2 7

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**Synectica**

**Solutions, Systems & Software**

Synectica Limited  
LONDON UK

Tel/Fax: +44 (020) 8504 2829 / 1634

Email service@synectica.co.uk