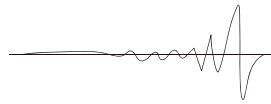




NAVALISTA

ULTRASONIC
THICKNESS
MEASUREMENT
(UTM)

ULTRASONIC THICKNESS MEASUREMENT

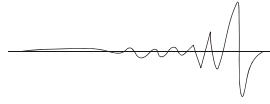


NAVALISTA company carries out professional works on measurement of residual thickness of vessels. We use only modern certified equipment, which is regularly checked for accuracy. Our extensive experience in this field allows us to perform UTM's with high efficiency, precision and in the shortest possible time.

UTM

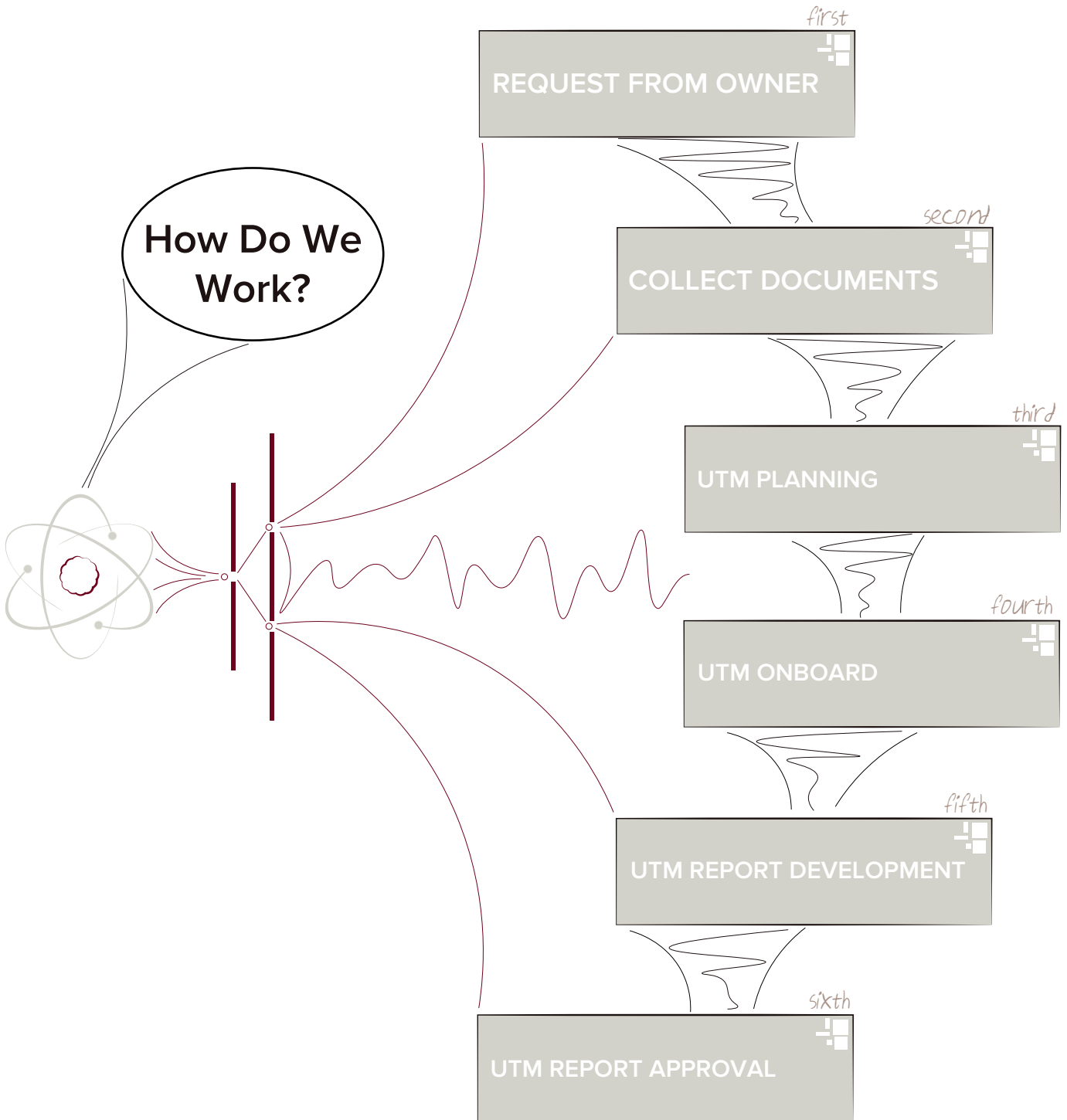


THICKNESS GAUGE

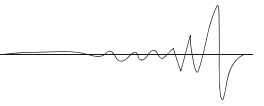


Our measuring instrument not only provides high accuracy and high measurement speed, but also allows you to measure without damaging the expensive coating of the ship.





Thickness measurement by a professional specialists



Preparation of working documentation

Ship's name: "ALORS" THICKNESS MEASUREMENT REPORT
Class Identity No.: 3126BP Report No.: ODS0/2016/J0006

Report on THICKNESS MEASUREMENT of ALL DECK PLATING

CERTIFICATE OF COMPETENCE
of non-destructive testing specialist
№ 74888-07-210
(Term of validity: 2016-12)

This certificate confirms that **OTYKHV ANTON**
date of birth: 02.03.85
in accordance with the requirements of standard ДСТУ EN 473-2001 "Nondestructive testing - Qualification and certification of NDT personnel - General principles"
is certified as a specialist of for the method of testing: **2 level of qualification ultrasonic 10" - production of shipbuilding ("thickness measurement")**
Employer: **Ecotechnology L.L.C.** Employer address: **33, Zhukovskaya street, Odessa, Ukraine**
Date and place of issue: **10.03.2016, E.O. Palon Electric Welding Institute of NASU**
Head of Certification Center: **Prof. V. Troyskiy**

No of tier	AD	Orig. Thk mm	Forward reading					
			Gauged		Diminution P		Diminution S	
			P	S	mm	%	mm	%
016	11	10,8	10,6	0,2	1,8	0,4	3,6	10,5
015	11	10,6	10,8	0,4	3,6	0,2	1,8	10,3
014	12	11,6	11,6	0,4	3,3	0,4	3,3	11,7
013	12	11,6	11,4	0,4	3,3	0,6	5	11,6
012	13	12,4	11,6	0,6	4,6	1,4	10,8	11,2
011	13	11,3	11,9	1,7	13,1	1,1	8,5	11,6
010	13	10,6	11	2,4	18,5	2	15,4	10,7
D9	13	11,5	10,9	1,5	11,5	2,1	16,2	11,7
D8	13	11,6	12	1,4	10,8	1	7,7	11,4
D7	13	10,6	10,6	2,4	18,5	2,4	18,5	10,5
D6	13	11,8	11,5	1,2	9,2	1,5	11,5	11,8
D5	13	12,5	11,8	0,5	3,8	1,2	9,2	10,6
D4	13	10,6	11,5	2,4	18,5	1,5	11,5	11,4
D3	13	11,1	11,7	1,9	14,6	1,3	10	10,6
D2	13	11,5	11,7	1,5	11,5	1,3	10	11,3
D1	13	10,9	11,8	2,1	16,2	1,2	9,2	11,7
01/2	12	10,5	10	1,5	12,5	2	16,7	11,4

Excessive corrosion Substantial corrosion Repaired

Class Identity N° _____

STATE ENTERPRISE "DNIPROPETROVSK REGIONAL STATE SCIENTIFIC AND TECHNICAL CENTER FOR STANDARDIZATION, METROLOGY AND CERTIFICATION"
23 vul. Baricadna, m. Dnipro, 49044, Ukraine
e-mail: dpcsm@dpccsm.dp.ua

Certificate of control of metrological characteristics of measuring instrument
№ _____ Valid until _____
Type and designation: **Ultrasonic thickness gauge**
УТ-98Т "СКАТ" № 264
Manufacturer: **"Diagnostics and control" Ltd, m. Mikolayiv, Ukraine**
According to the results of the control of metrological characteristics, it is established that the measuring instrument meets the requirements:
User's manual: _____
Range (on steel): **Hx = (2,0 - 20,0) mm, ΔH = ± 0,1 mm**
Hx = (20,1 - 300,0) mm, ΔH = ± (0,1 + 0,002 Hx) mm
Application on _____ page in _____ instances
Personnel who performed the control of metrological characteristics: **Дан Євгенівич**
Place of control: _____

General Particulars

Ship's name: **ALORS**
IMO number: **8912181**
Ship type: **20' container loader haul**
Class Identity number: **3126BP**
Port of registry: **Zhukovskaya**
Class code: **0000**
Classification society: **1000**
Date of issue: **10.03.2016**

Name of firm performing thickness measurement: **Ecotechnology LLC**
Address: **33, Zhukovskaya street, Odessa, Ukraine**
Approval No.: **AP/2016/03/10/0006**
Approval valid from: **10.03.2016**
Approval valid to: **09.03.2017**
Place of measurement: **Bridge, Deck**
First date of measurement: **10.03.2016**
Last date of measurement: **09.03.2016**
Type of survey: **Inspection**
Date of report: **10.03.2016**
Units weight and type: **kg**

Details of measurement equipment: **Ultrasonic NDT, see 10.03.2016, Equipment: УТ-98Т, СКАТ, 264, 267, 2016**

Classification society: **1000**

Report number: **ODS0/2016/J0006**
Consisting of: **007 pages**

Date: _____

Name of officer: **A. Stepanov** Name of surveyor: **I. Prokhorov**
Signature of officer: _____ Signature of surveyor: _____
First official: _____ Class/Station: **Official Station**

Ship's name: "ALORS"

10.03.2016

Diagram 1: Deck layout showing measurement points 13, 41, 47, 67, 87, 107, 127, 147. Labels include APT, Engine Room, Slop tank, 5 WBT, 4 WBT, 3 WBT, 2 WBT.

Diagram 2: Deck layout showing measurement points 5 WBT, 4 WBT, 3 WBT, 8 COT, 7 COT, 6 COT, 5 COT, 4 COT, 3 COT. Labels include APT, Engine Room, Slop tank.

Report No.: ODS0/2016/J0006

THICKNESS MEASUREMENT REPORT
Ship's name: "ALORS" Class Identity No.: 3126BP FWD Report No.: ODS0/2016/J0006

CERTIFICATE OF VERIFICATION No 1218

DATE OF VERIFICATION: **10 of July 2016**

EQUIPMENT TYPE: **Cygnus 4**

INSTRUMENT SERIAL NO.: **5119**

VERIFICATION FOR: **Ecotechnology LLC**

PROBES (single crystal soft face):
Diameter mm: **13**
Frequency MHz: **2.25**
Range mm: **5,0 - 50,0**
Accuracy mm: **± 0,1**

Equipment has been calibrated and approved in compliance with the ДСТУ ГОСТ 8.495:2009 «ГСИ. Толщинометры ультразвуковые контактного. Методы и средства поверки» (Ultrasonic Thickness Measurement Gauges. Methods and means of verification)

EXPIRY DATE: **10 of July 2016**

TEST TECHNICIAN: **В.В. Шевченко**
Signature: _____ Stamp: _____



NAVALISTA
Why Choose Us?

Professional & Experienced Team

Highest Quality Standards

Cost-Effective Services

Time-Saving Solutions

Client-Oriented Approach

Consistently Good Reputation

Innovation in Every Step

Reliability & Security

OUR CONTACTS

navalista.com 

- Email: office@navalista.com
- Tel: 0 800 750 780 (Ukraine only)
- Tel: +38048 770 1970
- Fax: +38048 770 5970



Address: 13 Lermontovskiy lane, office 6 •
65014, Odessa, Ukraine •

Working hours: M-F 9:00 - 18:00 •

