



**PT WARMA TRIERINDO**

*Marine Offshore Services*

*Doing Best, Satisfy and Safety First*



ISO 9001:2015



ISO 14001:2015



OSHAS 18001:2015



INTERNATIONAL



# COMPANY PROFILE



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# 1.ABOUT US

PT. WARMA TRIERINDO is an Indonesian Company established in 1993, Jakarta. We are specialized in Marine Offshore services such as offshore facility construction/ modification, underwater works (construction, inspection, and maintenance), ROV inspection, marine fleet charter, and supply of various marine equipments.

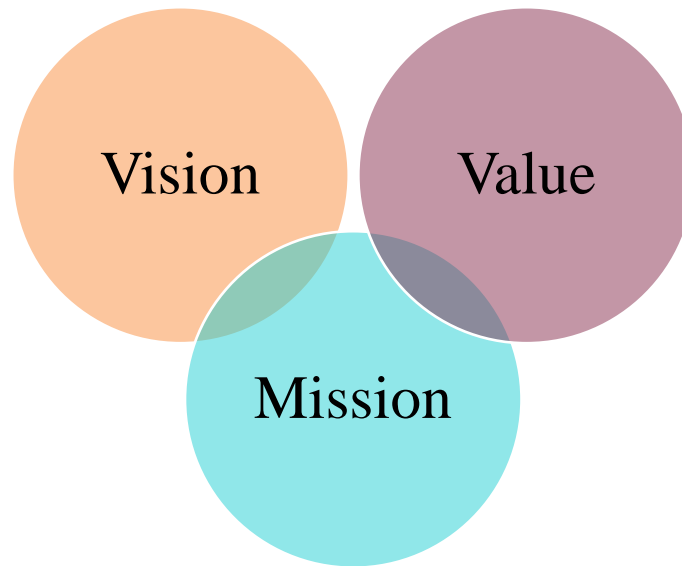


Our clients are mainly oil & gas operators and service companies, as well as other industrial sectors that require marine services such as mining and power generation industry.

We have the capability to satisfy every need for offshore underwater works to the satisfaction of our valued customers anywhere in the region, to ensure the flawless execution of your projects.



## 2. VISION, MISSION & VALUE



**VISION :**

To be reliable marine offshore service company in delivering a world class competitiveness value to our costumers.



**MISSION**

Providing marine offshore services through all potential optimization based professionalism and client satisfaction responsibility.

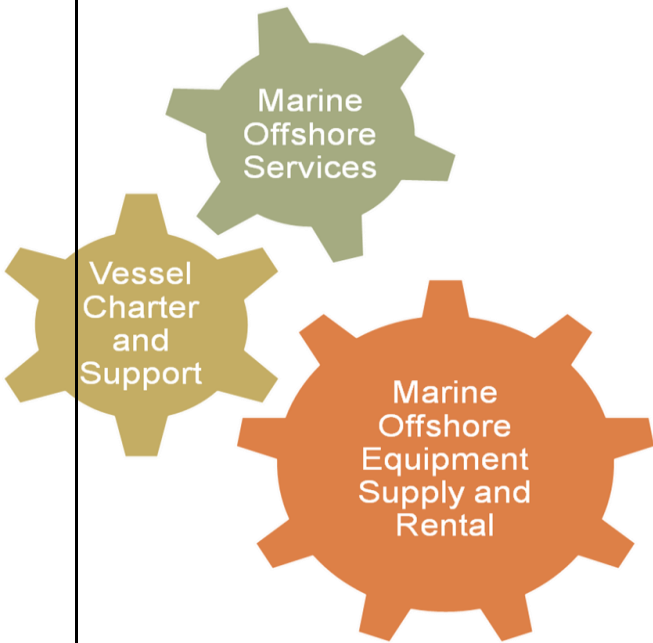


**OUR VALUE :**

Doing Best, Satisfy & Safety First

### 3. OUR SERVICES

**Offshore Services** – Providing wide range of offshore Services with the International Standards



1. Project Management
2. Offshore Installation, Construction & Support
3. Offshore Engineering Analysis
4. Jetty Modification
5. Inspection, Maintenance & Repair (IMR), Pipeline, Buoy (SBM /SPM), mooring chain, port & Jetty, navigation facilities.
6. Provide Diving & ROV services , Pre Engineering Survey, Seabed Survey
7. Inspection with NDT for Offshore & Onshore facility
8. Cleaning services : marine growth removal, underwater pipeline cleaning,
9. Painting & Coating
10. Zink, Anode installation & welding
11. Pipeline hydrostatic test

**Marine Services** – Providing wide range of Marine Services

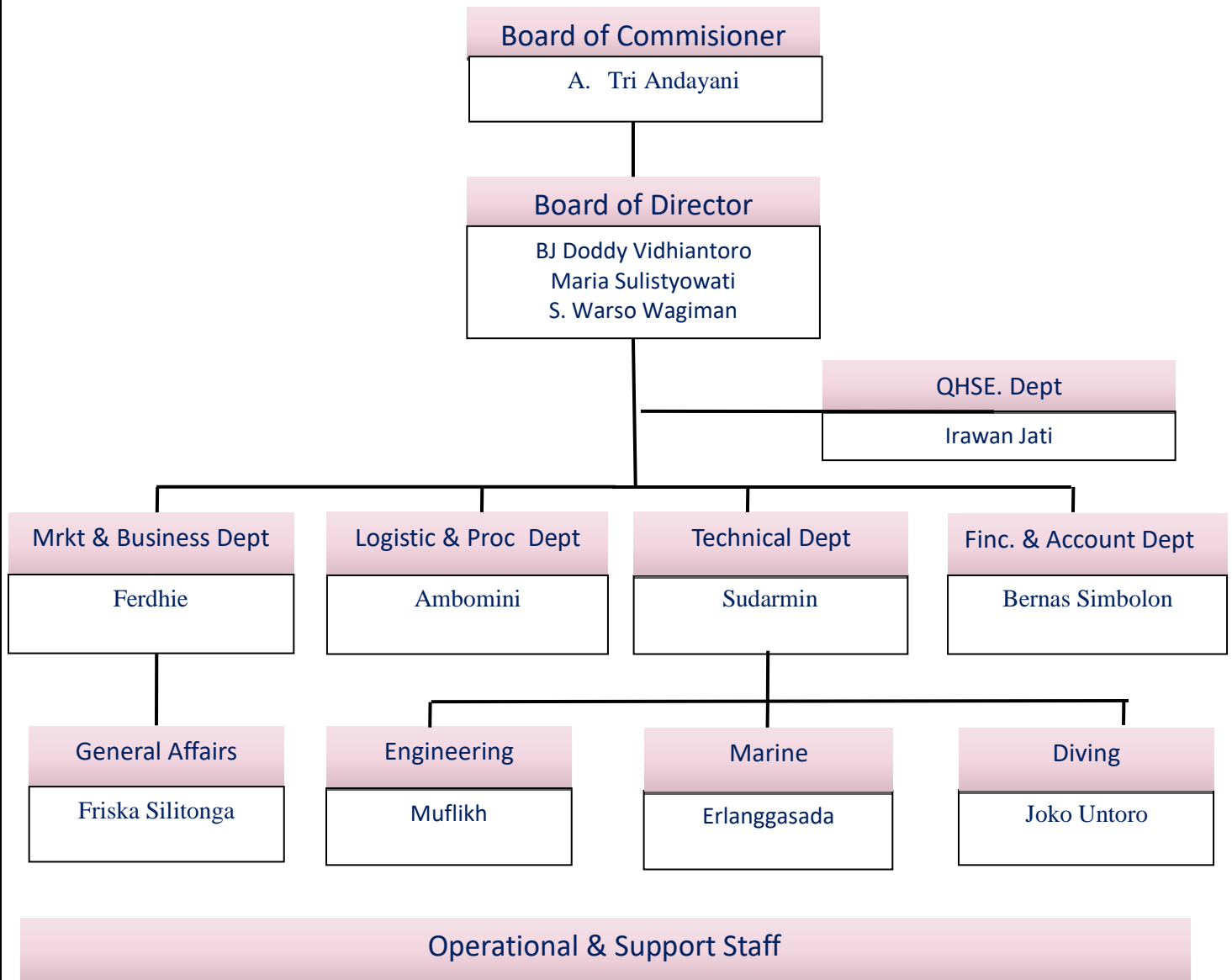
1. Marine Consultation Services
2. Terminal Operator
3. Cargo Handling

**Vessel Charter and Support** – Providing various vessels type

- Accommodation & Work Barge
- Material / Cargo Barge
- Anchor Handling Tug
- Push Pull Tug Boat
- Supply Vessel
- Fast Crew Boat
- LCT
- Vessel logistic and supply chandler services

**Marine Offshore Procurement** – Providing Marine offshore equipment support the project

## 4. ORGANIZATION CHART



## 5. PROJECT PORTFOLIO

### OFFSHORE CONSTRUCTION



- Jetty Construction-Offshore Piling dan Erection Upper-structure Breasting Dolphin and Mooring Dolphin
- Instalation of Tower Yoke Mooring Facility Including Hook Up & Connection Of PGN FSRU Lampung
- Freespan Rectification & correction
- Decommissioning of FSO Concord Conoco Phillips

### UNDERWATER SERVICES



- Subsea Inspection for pipeline & platform
- Visual Inspection
- Mooring Services
- Hull Cleaning Services

### VESSELS SUPPLY SERVICES

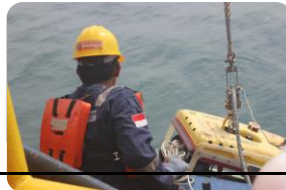


- Time Charter
- Tug Boat
- Flat Top Barge

## 6. OUR EXPERIENCES

## CONSTRUCTION & INSTALN. PROJECT

No.	Project	Scope of Work	Year
1.	Inspection, Repair & Maintenance Services - Kangean Energy Indonesia - Pagerungan	Inspection, Repair & Maintenance of Subsea Hose , SPM, Pipeline End Manifold - Kangean Energy Indonesia	2017
2.	LPG FSO Gas Concord Decommissioning Project – Conoco Phillips	Decommissioning of LPG FSO Gas Concord Belanak Field – Conoco Phillips	2016
3.	Oyong – Grati and Maleo – EJGP pipelines Freespan Survey for Santos	Freespan Rectification in Oyong – Grati and Maleo –EJGP Pipelines.	2015
4.	Jetty Offshore Piling dan Erection Upper-Structure Breasting Dolphin dan Mooring Dolphin-Mifa Bersaudara, Reswara – ABM Investama/ Trakindo Group	<p>Perform Construction of jetty piling and instalation of all marine equipments to support Jetty ports operation (Coal Ports).</p> <ul style="list-style-type: none"> <li>- Overall jetty length : 900 meter</li> <li>- Jetty length : 170 meter</li> <li>- Threstle width : 4 meter</li> <li>- Jetty width : 10 meter</li> <li>- Breasting Dolphin : 8 unit (4 left, 4 right)</li> <li>- Mooring Dolphin : 3 unit</li> <li>- Jetty Draft : +/- 12 meter</li> <li>- Vessel Mooring max : 16.000 DWT</li> </ul>	2014
5.	Instalation of Tower Yoke Mooring System - PGN FSRU Lampung, Hoegh LNG Hollands , Hyundai South Korea	Installation, Coonnection & Hook Up of Tower Yoke Mooring System & Facility	2014





## OFFSHORE SERVICES PROJECT

No.	Project	Scope of Work	Year
1.	Underwater Inspection & Survey 360 km EJGP Gas Pipeline - Pertamina	Underwater Inspection & Geophysics Survey	2017 & 2018
2.	MOPU Major Inspection - PT.Radiant Utama Interinsco	General Visual Inspection of Maleo platform using ROV & Diving including the following: <ul style="list-style-type: none"> <li>- Visual survey, Anode survey, Debris survey</li> <li>- Marine growth survey, Coral reef survey, Riser survey</li> <li>- Conductor survey</li> </ul>	2016
3.	Oyong & Peluang Underwater Inspection - Santos	Minor & Major Inspection for Peluang platform, Pipeline 17 km & Oyong trouble shooting for pipeline leak	2016
4.	Oyong – Grati and Maleo – EJGP pipelines Freespan Survey for Santos	Check and measure the height of scour at the freespan in Oyong – Grati and Maleo –EJGP Pipelines and perform freespan rectification & correction.	2015
5.	Major Inspection and Subsea Valve Exercise Maleo Platform PT.Radiant Utama Interinsco	General Visual Inspection of Maleo platform using ROV & Diving including the following: <ul style="list-style-type: none"> <li>- Visual survey, Anode survey, Debris survey, Marine growth survey, Coral reef survey, Riser survey, conductor survey</li> </ul> <p>Exercise subsea isolation valve (SSIV) and Pipeline End Manifold (PEM), and cleaning leg of Maleo platform using cavy jet by diver.</p>	2014 – 2015



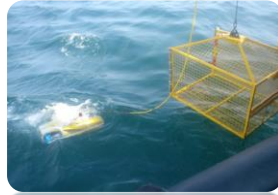
## OFFSHORE SERVICES PROJECT

No.	Project	Scope of Work	Year
6.	Underwater Services For Subsea Hydraulic Hose Maintenance Kangean Energy	Diving Service for maintenance subsea hydraulic hose of several subsea well, leak solution & perform Cathodic Protection Inspection	2014
7.	Diving Service For PHE WMO Pertamina – East Of Java	Diving Service for Supply the diving facilities Normalization ESP subsea power cable	2014
8.	Underwater Inspection Services PT Radiant Utama Interinsco	Conduct underwater visual inspection as Following scopes: <ul style="list-style-type: none"> <li>- SubSea Inspection ( Splash Zone Area &amp; X-Brance)</li> <li>- Underwater Visual Inspection by Video recording</li> <li>- Thickness Measurement of leg ( Splash Zone Area) minimum 1 leg</li> <li>- Cathodic Protection Control by Potential Measurment/Reading at lease (-) 25 ft from MSL</li> <li>- Debris Monitoring</li> </ul>	2013
9.	Oyong, Wartel, Maleo, Peluang Under Water Inspection Services & Maintenance Services	Conduct underwater visual inspection for Santos which consist the following scopes: 14” dia X 7 km Pipeline & EJGP Pipeline Maleo Visual inspection using ROV class 2 Perform Inspection & Maintenance of FSO Mooring Chain <ul style="list-style-type: none"> <li>- Mooring Chain Inspection</li> <li>- Marine Growth Cleaning</li> <li>- Mooring Chain Clamp Installation</li> </ul> Conduct underwater visual inspection for Santos which consist the followingscopes: 14” dia X 7 km Pipeline & EJGP Pipeline Maleo Visual inspection using ROV class 2	2012 - 2013



## OFFSHORE SERVICES PROJECT

No.	Project	Scope of Work	Year
10.	Under Water Visual Inspection	Conduct underwater visual inspection for Santos which consist the following scopes: <ul style="list-style-type: none"> <li>- CP reading inspection</li> <li>- Cathodic inspection for Oyong WHP</li> <li>- Cathodic Inspection for FPSO Sea Good, FSO Shanghai and Production rig Mopu , Maleo.</li> </ul>	2009 - 2010
11.	Oyong-Maleo Under Water Inspection Services	Conduct annual survey to earned SKKP and SKPP for Santos facilities. The project scopes involved as follows: <ul style="list-style-type: none"> <li>- Visual survey</li> <li>- Anode survey</li> <li>- Scour survey</li> <li>- Debris survey</li> <li>- Marine growth survey</li> <li>- Coral reef survey</li> <li>- Riser survey</li> <li>- Conductor survey</li> <li>- Sea chest survey</li> <li>- ACFM survey for MOPU gusset</li> <li>- CP reading for pipeline, jacket structure and conductor</li> <li>- MPI</li> <li>- UT (thickness measurement)</li> <li>- Pipeline and flexible hose inspection</li> <li>- Pipeline Inspection, Freespan &amp; Rectification</li> </ul>	2010 - 2012



## 6. OUR EXPERIENCES

## MARINE SERVICES PROJECT

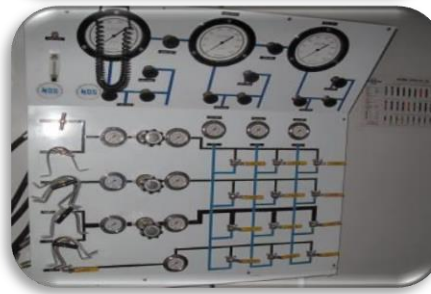
No.	Project	Scope of Work	Year
<b>Offshore Vessel Supply Project</b>			
1.	Time Charter party for Offshore Service Vessel	<p>Provide Work barge for support Santos Project in Oyong</p> <p>– Maleo site</p> <ul style="list-style-type: none"> <li>• Provide TC for work barge for 3 months, maximum time charter</li> <li>• Work barge should be equipped with crane 55 ton</li> </ul> <p>The work barge and crane will support Santos project in Oyong and Maleo platform, the project located in Madura straits</p>	2011
2.	Flat Top Barge and Tug Boat Services for Peluang Project	Provide Barge and Tug Boat support Santos project in Peluang platform erection	2013
3.	Flat Top Barge and Tug Boat Services for Remaining Work of Peluang Development	Provide Barge and Tug Boat support Santos project in Peluang platform erection	2013



## 7. EQUIPMENT

### UNDERWATER EQUIPMENT

#### *Diving Spread / DDC & NDT*



#### **SYSTEM APPLICATIONS**

The compact containerised surface supplied Air Diving System is certified and maintained in accordance with International Maritime Contractors Association recommendations for offshore diving operations. The Air Diving System includes dive control, main dive control panel, twin lock deck decompression chamber, high pressure and low pressure compressors, launch and recovery system and diver's stage / basket.

#### **CONTAINERISED DECK DECOMPRESSION CHAMBER**

- 20ft ISO container
- 3 man mixed or air diving panel
- Gas supplies to diving panel includes LP, HP and O2
- Diving Pneumogauges
- Gas analysis sample lines/3, O2 analysers and monitors

- CCTV subsea video camera monitoring system c/w video recording suites

- Diver communication radio units
- 3 x diver umbilicals (diver 1 = 180m, diver 2 = 200m, standby diver = 183m)
- Medical kit
- Diving supervisor work station
- LCD flatscreendiving monitors

### **STORES CONTAINER**

- 10ft ISO container
- Diving and machinery spares inventory
- Basic rigging tools, shackles and webbing slings

### **LAUNCH AND RECOVERY SYSTEM**

- LARS recovery unit
- Primary recovery/launch system hydraulically assisted
- Secondary recovery hydraulically assisted with a clump weight system man riding
- winch connected to a 2 man stage c/w emergency air breathing gas

### **GENERATOR**

- Silent Mode
- 220 - 440 Kva / 50 / 60 Hz

### **CONTAINERISED MACHINERY VAN**

- 10ft ISO, purpose built machinery van
- LP air compressor (electric)
- HP air compressor (electric)
- Hydraulic HPU (electric)

- Diver hand tools
- Diver helmets (2 x KMB 37, 1 x 28B)
- Small, compact diving maintenance workshop
- Consumable stores
- Diving Equipment personnel

### **POWER SUPPLY REQUIREMENT**

- DDC 220 Vac, 50/60 Hz
- Machinery 220 Vac 50 / 60Hz, 380 Vac 50/60 Hz

### **DDC CONTROL VAN**

- Length 6100mm/20ft
- Width 2450mm/8ft
- Height 2600mm/8.53ft
- Weight 6,000kg

### **STORES CONTAINER**

- Length 3050mm/10ft
- Width 2450mm/8ft
- Height 2600mm/8.53ft
- Weight 4,000kg

## REMOTELY OPERATED VEHICLE (ROV)



Our Underwater Remote Operated Vehicle (ROV)

ranging from small to high innovative observation class vehicle to heavy duty work class

vehicle is a highly reliable, versatile vehicle, designed to accomplish a complete range of demanding and complex subsea inspections, observations, constructions and intervention operations. Maneuverer by our skilled pilot for enhancing projects or operations quality to you. We are accredited and certified by international recognised body. Our ROV sare capable of:

- IRM and NDT services (magnetic particle inspection, ultrasonic thickness measurements, ultrasonic inspection of welds, cathodic protection, etc.)
- Work-class ROV services

- Inspection-class ROV services
- Installations services (Pipeline, Cable, Structure & etc.)
- Decommissioning services
- Construction services

### Our ROV'S Support

	<u>TYPE</u>	<u>UNIT</u>
Hytec 300 MK 2	INSPECTION CLASS	1
Triton 150 HP	WORK CLASS	1
Triton 100HP	WORK CLASS	1
SEAEYE PANTHER XT-PLUS	SEMI WORK CLASS	1
SEAEYE TIGER	INSPECTION CLASS	1



Single piece didson sonar

Metal detector

Side scan sonar

## 8. WAREHOUSE & WORKSHOP

**JL. RAYA BOGOR KM 48 NO 70  
CIBINONG - BOGOR  
JAWA BARAT**





## 9.COMPANY CERTIFICATE

No.	Company Certificate	Description
1.	SIUP Besar	Ministry of Trade & Industry  Common Stock Rp 40 Bio  Paid in Capital Rp 10,5 Bio
2.	SIUPAL Angkutan Laut	Ministry of Transportation
3.	Ijin Usaha Jasa Konstruksi (IUIK)  SBU	Gapeknas Association & Ministry of Civil Works  Certificate of Construction for waterways, Ports, Dam & Other Water installation Infrastructure  Oil & gas pipeline lying & construction , power cable lying , electrical & various mechanical
4.	SKT Migas :  1. Pekerjaan Bawah Air  2. Konstruksi, Mekanikal , Electrical  3. Angkutan Laut	Ministry of Energy & Mineral Resources - Dirjen  Migas & SKK Migas
5.	SKT Tambang :  Konstruksi, Mekanikal , Electrical	ESDM - Direktorat Jenderal Panas Bumi & Mineral –  Marine Construction
6.	Kamar Dagang dan Industri Membership	Ministry of Trade & Industry



No.	Company Certificate	Description
7.	HSE Certificate & K3 Pass: <ol style="list-style-type: none"> <li>1. Departemen Tenaga Kerja</li> <li>2. Santos Madura</li> <li>3. Rekayasa Industri (Persero)</li> <li>4. CNOOC &amp; Husky CNOOC</li> <li>5. Pertamina Hulu Energy – West Madura Offshore</li> <li>6. Kangean Energi Indonesia</li> <li>7. Pertamina Gas &amp; Pertamina Trans Kontinental</li> </ol>	Umum & ESDM - Dir Migas & SKK Migas
8.	ISO Standard 9001 ISO Standard 14001 BKI Certified ADCI Certified	Quality Management Environment Management BKI certified for Underwater Services Association Diving Contractor International



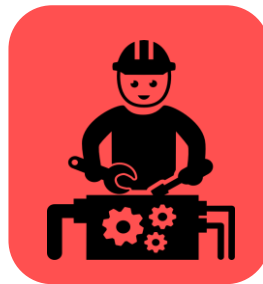
# THANK YOU



*Doing Best*



*Satisfy*



*Safety First*

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