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INDONESIA DEFENSE MAGAZINE



INDONESIA-MALAYSIA

DEFENSE INDUSTRY PARTNERSHIP LOOKING GOOD

SPECIAL REPORT

HISTORIC MILESTONE: INDONESIAN ARMED FORCES RESERVE COMPONENT TO BOLSTER STATE DEFENSE POSTURE

INDONESIA DEFENSE MAGAZINE
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Interview with Air Vice Marshal TNI Benedictus Benny K, Commander of PMPP TNI

BUMN UNTUK INDONESIA

AIRBUS HELICOPTERS

DIRGANTARA INDONESIA
INDONESIAN AEROSPACE (IAe)



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Submarine Rescue
Products and Services

Introduction

JFD offers a portfolio of submarine rescue products and services and has been an integral part of submarine rescue projects around the world since 1983.

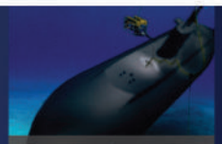
Our capabilities extend to design, manufacture, operations and support.




DSAR Class Submarine Rescue Vehicle


Launch & Recovery Systems

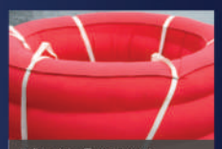

Multi-Role Launch and Recovery System


Atmosphere Sampler & DSVDS


Intervention ROV


Intervention & Rescue Targets


ELSS Pods & Bags


Inflatable Freeboard Extender (IFE)


Offshore Operations Training


Vessel of Opportunity Database

DSAR Class Submarine
Rescue Vehicle

Introduction

The Deep Search & Rescue (DSAR) Class submarine rescue vehicle is the latest rescue submersible from JFD. The SRV design builds upon more than 25 years of submarine rescue operations.

JFD's submarine rescue vehicles are currently in operation with:

- The Republic of Singapore Navy
- The Republic of Korea Navy
- The Royal Australian Navy

Key features include:

- Intregrated skirt
- Lightest in Class at 22.5 tonnes
- Optimised for transportability
- 60° mating capability


ROKS-DSRV-II in operation onboard the Republic of Korea's Cheong Hae Jin


DSAR-6 in operation onboard Singapore's Swift Rescue


DSAR Class Rescue Vehicle demonstrates ability to mate at 60°

Specification

Rescue Capability

Operational Endurance	> 12 hours
Emergency Life Support	> 96 hours
Maximum Mating Angle	60°
Rescue Payload	1,200 kg
Air Transportability	C17 or similar

DSAR Class submarine rescue vehicles have a typical maximum dive depth of 500m. If required this can be increased to 700m.

Principle Particulars

Length	9.6m
Beam	3.2m
Depth	2.7m
In Air Weight	22.5 tonnes, in **610**m configuration
Main Propulsion	2 x 10kW electric
Auxiliary Propulsion	4 x 3kW hydraulic

Electrical System

Battery System	Fully-redundant Lithium Polymer
System Voltage	120V / 24V with 24V emergency supply
Navigation	Integrated Navigation Suite
Automation	Autopilot, Autodepth, Altitude & Heading Hold
Communications	Through-water audio & data
Logging	Video, comms and data logging for review and training

Design Standards

Classification	Classed to Lloyd's Register Rules and Regulations for Classification of Submersibles.
Pressure Vessel Code	PD5500:2009 Specification for Unfired Fusion Welded Pressure Vessels
Mating Skirt	NATO ANEP/MNEP 85 compliant



On behalf of the editorial staff at Indonesia Defense Magazine (IDM), we welcome you to our twelfth issue of the publication. We would like to acknowledge the interest and support of our many readers, as well as our sponsors in many sectors of the defense industry, expanding today to arouse interest in exports as well as fulfilling domestic defense needs.

As we come to the closing of 2021, entering our third year of publication, there are glimmers of hope in an otherwise gloomy global outlook. With a combination of accelerated immunization programs in the country, the number of cases has continued to trend down by a whopping 92% since the peak of a Delta-fueled second wave in mid-July, signifies that social and economic activity can be released from a lockdown; caseloads are settling and shipments of the experimental gene therapy drugs (AstraZeneca, Pfizer, Moderna etc.) are reaching every part of the globe and Indonesia, along with traditional "true vaccines" like the Chinese Sinovac and Sinopharm, made from inactivated viral material.

A great amount of economic and psychological damage has been inflicted on global populations with the extreme measures taken, particularly in the People's Republic of China. Scientists and front-line medical personnel are learning as they go along, and surprising developments continue to emerge, such as the increasing number of vaccinated-but-infected and vaccine injuries in Israel, with one of the highest inoculation rates in the world.

Other signs of life returning to a semblance of the "old normal" include increasing crowds in shopping malls and other public places, traffic jams and an attempt to revive street vendors. However it may be, medical data suggests that the reality is that the coronavirus, along with its variants, will continue to be a permanent part of life around the world, in spite of all the measures taken to exterminate it.

The Indonesia Defense Magazine editorial staff has been on the road, assembling reports, interviews and historical material for this issue. A highlight has been the bestowal of the title of "Honorary Citizen of the Brimob Police Corps" on Defense Minister Prabowo Subianto, a man whose activity in the Jokowi cabinet has been particularly energetic and innovative.

Minister Prabowo also paid an official visit to Malaysia, our friendly neighbor, on October 28th, to assess issues of mutual interest in the defense realm; this was immediately followed by a return visit of His Excellency the Prime Minister of Malaysia, Dato' Sri Ismail Sabri, along with his Minister of Defense, Dato' Seri Hishammuddin Hussein, to the arms manufacturer PT Pindad, in Bandung, West Java. Areas of mutual benefit were explored in an opportune export market for appropriate hardware. We cover this in a photo-journalistic exposition.

For the past five decades Indonesia has done its part to fulfill the peacekeeping mission of the United Nations, and this issue of IDM features an in-depth interview with the Commander of TNI 's Peacekeeping Mission Center, also known as the "Blue Beret Troops", considering the logistical, environmental and language challenges they face, primarily in dealing with ongoing conflicts in the developing nations of Africa.

One of the most appreciated sections of our magazine has been its coverage of historical events, and in this issue we present a summary of history of the Indonesian military (TNI), composed by Lt. Gen. (Ret.) Sjafrie Sjamsoeddin, who has been a steady contributor to the various publications of IDM.

Emanuel Ario Bimo, a doctoral student in Defense Science, discusses aspects of 21st Century "Total People's Defense as Deterrent", an issue of great relevance to today's Ministry of Defense.

A Reserve Component has been galvanized, as part of the "people's defense" concept, and President Joko Widodo has personally promoted and pushed through the establishment of the Komcad, where thousands of ordinary citizens dressed in fatigues and trained in periodic exercises.

In recent years Indonesia has cultivated a close and friendly relationship with Turkey, exchanging visits and sharing intelligence on matter of mutual concern. This issue of IDM features several types of leading-edge military drones developed by Turkish firms and deployed on the battlefields of the Middle East, most recently in Syria. As drone warfare and other lethal autonomous weapon systems appear in combat, we must take notice of Turkey's unprecedented ascent to drone superpower status.

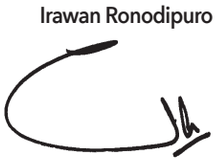
The recent establishment of AUKUS, a trilateral defense pact between Australia, the United Kingdom and the United States of America has generated much discussion and a strong reaction in East Asia; we look at the ramifications of what is seen by the PRC as a "fresh attempt to contain China".

We would like to acknowledge the inauguration of Gen. Andika Perkasa as the new Commander of the TNI, the Indonesian National Armed Forces, by President Joko Widodo, along with the inauguration of Gen. Dudung Abduracman as Army Chief of Staff. We also salute TNI Maj. Gen. Suharyanto, who was inaugurated as the new Head of the National Agency for Disaster Management (BNPB), at the State Palace.

As ever we look forward to the feedback and suggestions of our readers. We send best wishes for a fulfilling and peaceful year-end holiday, Happy holidays and Season's greetings.

Have an enjoyable and educational read.

Irawan Ronodipuro



Editor-in-Chief

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The military parade of Reserve Component (Komcad) troops during the Inauguration Ceremony of Reserve Component at the Special Forces Training and Education Centre (Pusdiklatpassus) of the Army's Special Forces Command (Kopassus) in Batujajar, Bandung, West Java (07/10/2021). The ceremony was led by the President Joko Widodo and accompanied by Defense Minister Prabowo Subianto
Photographer : Deny Firman



Presiden Republik Indonesia, Joko Widodo beserta Menteri Pertahanan RI, Prabowo Subianto dan Komandan Upacara Penetapan Komcad TNI, Brigjen TNI Yusuf Ragainaga, memeriksa pasukan Komponen Cadangan (Komcad) di Pusat Pendidikan dan Latihan Pasukan Khusus (Pusdiklatpassus) Komando Pasukan Khusus (Kopassus), Batujajar, Bandung, Jawa Barat, Kamis (07/10/21).

TOREHAN SEJARAH, KOMPONEN CADANGAN TNI PERKUAT POSTUR PERTAHANAN NEGARA

"Penetapan Komcad ini akan semakin memperkokoh sistem pertahanan dan keamanan rakyat semesta kita. Pada saat yang sama pemerintah melakukan modernisasi Alutsista secara menyeluruh pada semua matra,"

Presiden RI Joko Widodo



DENY FIRMAN

Ribuan personel berseragam lengkap dengan baju loreng dan senjata di tangan tampak berdiri tegap nan gagah di tengah Lapangan Terbang Suparlan, Pusat Pendidikan dan Latihan Pasukan Khusus (Pusdiklatpassus) Komando Pasukan Khusus (Kopassus), Batujajar, Bandung, Jawa Barat. Hari itu, Kamis (07/10/2021) mereka resmi ditetapkan sebagai Komponen Cadangan (Komcad) oleh Presiden Joko Widodo (Jokowi) setelah melalui latihan dasar kemiliteran selama tiga bulan di Resimen Induk Kodam (Rindam) masing-masing.

Selepas upacara penetapan Komcad TA 2021, sejarah baru pun tercipta. Indonesia kini tercatat memiliki 3.103 anggota Komponen Cadangan TNI yang berfungsi untuk memperbesar dan memperkuat kekuatan komponen utama, Tentara Nasional Indonesia (TNI), dalam menghadapi ancaman militer dan ancaman hibrida. Tak hanya itu, keberadaan Komcad sekaligus memperkokoh postur pertahanan negara.

"Penetapan Komcad ini akan semakin memperkokoh sistem pertahanan dan keamanan rakyat semesta kita. Pada saat yang sama pemerintah melakukan modernisasi Alutsista secara menyeluruh pada semua matra, darat, laut, dan udara," jelas Presiden RI Joko Widodo (Jokowi) dalam sambutannya pada Upacara Penetapan Komponen Cadangan TA 2021, Pusdiklatpassus, Kamis (07/10/2021).

Meskipun memiliki fungsi untuk memperkuat kekuatan Komponen Utama, namun dalam implementasinya Komcad hanya dapat dimobilisasi untuk kepentingan pertahanan dan tidak ada anggota Komponen Cadangan yang dapat melakukan kegiatan mandiri. "Perlu saya tegaskan Komponen Cadangan tidak boleh digunakan untuk hal



ASLAM IQBAL/IDM

Menhan Prabowo Subianto memberikan taklimat kepada 2.500 siswa Komponen Cadangan (Komcad) di Lapangan Hitam, Markas Komando Pusat Pendidikan dan Latihan Pasukan Khusus (Mako Pusdiklatpassus), Batujajar, Jawa Barat, (06/10/2021).