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DRDO News

DRDO Technology News

EastMojo

Mon, 17 Oct 2022

DRDO Scientists Discuss Prospects for Collaboration with Tezpur University

A team of scientists from the Defence Research and Development Organisation (DRDO), New Delhi and the Defence Research Laboratory (DRL), Tezpur met several faculty members of Tezpur University on October 14. The team was led by Dr. Upendra Kumar Singh, Revered Scientist & Director General – Life Sciences (LS), DRDO, New Delhi. The team met Prof. Dhruva Kumar Bhattacharyya, Vice-Chancellor (In-charge), Tezpur University, Dr. Biren Das, Registrar, Prof. Dhanapati Deka, Dean, Research & Development (R&D) and the Deans and Heads of all the Departments of the School of Sciences (SoS) and Engineering (SoE) at the Vice-Chancellor's Board Room at the University.

The team discussed the prospects for future collaboration and the signing of an MoU between Tezpur University and DRDO. A short presentation by the Dean, R&D regarding the overall research activities of TU followed by a presentation by the Dean, SoE and Dean, SoS for specific research activities in their schools were given in the session. The DRDO also presented their research activities and future scope of collaboration. Dr. Upendra Kumar Singh also highlighted the possible research areas for effective collaboration between Tezpur University and DRDO through DRL, Tezpur. The event ended with a congenial vote of thanks from Prof. Dhanapati Deka.

<https://www.eastmojo.com/assam/2022/10/17/assam-drdo-scientists-discuss-prospects-for-collaboration-with-tezpur-university/>



Mon, 17 Oct 2022

Gap between Internal and External Security Reducing: Defence Minister Rajnath Singh

Defence Minister Rajnath Singh on October 17 said it has been seen in the last two decades that the gap between the internal and external security is reducing and a country's independent media, judiciary, NGOs and dynamic democracy can be misused to destroy its security. Addressing the second convocation of the Rashtriya Raksha University at Lavad village in Gujarat's Gandhinagar district, Mr. Singh also stressed on the need for State agencies to work in an integrated manner. "With the changing times, there has been a tremendous change in security dimensions," he said. We generally see security from two aspects — internal and external. But in the last two decades, it has been seen that the gap between the internal and external security is reducing," Mr. Singh said. "In a hybrid war, the lines between the internal and external security almost disappear," he said. The Defence Minister said social media, NGOs, judiciary and democracy of a country can be misused by forces working to destroy its security.

"An independent social media can be used to carry out systematic propaganda. The freedom of social media is not bad, media should be free, but if the media is free, it can be misused...Attempts are made to establish and propagate dangerous and controversial things in the name of freedom of expression," he said. "If the NGOs are free, efforts are made to use them in such a way that the entire system of the country is paralysed," Mr. Singh said. "If the judiciary is free, efforts are made to use it to stop or slow down the works of development using the legal system. If a country has a dynamic democracy, then effort is made to infiltrate political parties to attack its unity and security," he said. "These are not mere imaginations, but words of strategists and are detailed in security documents of some countries," he said. Mr. Singh also used the example of some media reports which said that 50% of tweets in connection with the case of violence at Koregaon-Bhima (in Maharashtra's Pune district in 2018) originated from Pakistan.

<https://www.thehindu.com/news/national/other-states/gap-between-internal-and-external-security-reducing-defence-minister-rajnath-singh/article66021677.ece>

Business Standard

Mon, 17 Oct 2022

Five-Day DefExpo 2022 All Set for Launch in Gandhinagar on Tuesday

The Helipad Exhibition Centre in Gandhinagar is abuzz in the controlled chaos that characterises air and defence show venues on the eve of their inauguration. India's premier defence exhibition, Defence Exposition 2022 (called DefExpo 22), begins on Tuesday, but exhibitors are still touching up their displays, small groups of policemen are searching for their piquets, and security personnel are erecting their metal detectors and X-ray machines. Prime Minister Narendra Modi is scheduled to inaugurate DefExpo 22 on Thursday. DefExpo 22 was to be held in February this year but, with foreign exhibitors reluctant to come to India in the aftermath of the Covid-19 pandemic, the defence ministry postponed it indefinitely. It is now being held from October 18-22. It is the first-ever DefExpo held exclusively for Indian companies. The Ministry of Defence (MoD) pointed out that "companies, Indian subsidiaries of foreign original equipment manufacturers (OEMs), division of companies registered in India, and exhibitors having joint ventures with Indian companies will be considered as Indian participants".

Organised in the largest-ever area of over one lakh square metres (the previous edition covered 76,000 square metres) and with a record registration of 1,340 companies, DefExpo 2022 is set to be the biggest defence exhibition till date, said Defence Minister Rajnath Singh on Monday. The defence minister said that seventy-five countries will participate in DefExpo 2022. The minister will host the second India-Africa Defence Dialogue (IADD) on October 18, while the Indian Ocean Region plus (IOR+) conclave will take place on October 19. More than 53 African countries have been invited for IADD and 44 for the IOR+ conclave. For years, successive defence expositions were organised by the MoD's Defence Exhibition Organisation in alternate years in New Delhi, interspersed by Aero India shows in Bengaluru in between. This tradition was broken by the first National Democratic Alliance government, when Defence Minister Nirmala Sitharaman held DefExpo 2018 in Chennai and Rajnath Singh held DefExpo 2020 in Lucknow. Now Singh is holding his second DefExpo in Prime Minister Narendra Modi's home state.

DefExpo 22 intends to highlight the strong linkages between the Defence Research and Development Organisation (DRDO) on the one hand and industry and academia on the other. The MoD has announced that the DRDO will display a wide range of products, 430 altogether, encompassing strategic and tactical weapon systems, defence equipment and technologies. "The 12th edition of Asia's largest defence event will be highlighting the theme 'Path to Pride', aligned with 'India at 75', and 'Aatmanirbhar Bharat' (self-reliant India), encouraging the industry as well as citizens to join in and contribute towards nation building. It aims to further the narrative of 'Make in India, Make for the World'," said the MoD in a press release. Also on show will be several DRDO initiatives such as the Technology Development Fund, Dare to Dream and other similar schemes to support academia, start-ups, micro, small and medium enterprises, and large industries.

DefExpo 22 will feature static displays, live demonstrations, seminars and immersive experience zones. These will be spread across three locations — the Mahatma Mandir Convention and Exhibition Centre, Helipad Exhibition Centre, and Sabarmati Riverfront. In a first, the display will include the simulator of India's futuristic 5th-generation Advanced Medium Combat Aircraft, along with other augmented and virtual reality-based naval, land and air product simulators. There will also be a sprawling 1,200 square metre outdoor display, featuring 18 static exhibits. These will include the Border Surveillance System, Laser Fence System, the air-launched BrahMos cruise missile, the Infantry Combat Vehicle with Composite Hull, 155mm x 52 calibre Advanced Towed Artillery Gun System, the Prahaar missile, Quick Reaction Surface-to-Air Missile and the Medium Range Surface-to-Air Missile. During the exhibition, there will be a string of major seminars and discussions. Among these is one event — Bandhan — in which the DRDO will hand over licences of technologies it developed to Indian industries for manufacture.

https://www.business-standard.com/article/current-affairs/five-day-defexpo-2022-all-set-for-launch-in-gandhinagar-on-tuesday-122101701170_1.html

THE ECONOMIC TIMES

Mon, 17 Oct 2022

India Registered Defence Exports worth Rs 8,000 cr in Six Months of FY 2022-23; Aims for Rs 35,000 cr Target by FY 2025 End: Rajnath Singh

India registered defence exports worth Rs 8,000 crore in six months of the current financial year and aims to achieve the annual export target of Rs 35,000 crore by 2025, Defence Minister Rajnath Singh said on Monday. He was speaking at the curtain raiser event of DefExpo, scheduled to be held from October 18 to 22, in Gandhinagar. Singh said India's defence sector registered exports worth Rs 30,000 crore after 2014 when the Narendra Modi government came to power at the Centre. He said India is progressing speedily on the path to achieving global standards of design, development and manufacturing at the international level.

"Before 2014, we used to achieve (defence) exports of Rs 900-1,300 crore. After all these years, we have achieved exports worth more than Rs 30,000 crore to date. We can add another Rs 8,000-9,000 crore of the export target (this year)," Singh said. "We target to achieve (annual defence) exports worth Rs 35,000 crore by the end of FY 2025. We have achieved exports worth Rs 8,000 crore in six months (of FY 2022-23)," Singh said. Gandhinagar is set to host India's biggest-ever defence exhibition to date - DefExpo 2022 -beginning Tuesday. This 12th edition of the event has been organised on the theme 'Path to Pride'. Singh said India in the last few years covered a transformational journey from a (defence) importer to an exporter. DefExpo will add pace to this journey, he added.

"India which was until a few years back considered the world's biggest (defence) importer is now standing in the queue of 25 top exporting countries," the defence minister said in his address. He

said more than 13,000 companies are participating in the DefExpo. "India had achieved exports of defence items and technology worth a record Rs 13,000 crore in 2021-22, which is likely to rise to Rs 17,000 crore in 2022-23," Defence Secretary Ajay Kumar said.

<https://economictimes.indiatimes.com/news/defence/india-registered-defence-exports-worth-rs-8000-cr-in-six-months-of-fy-2022-23-aims-for-rs-35000-cr-target-by-fy-2025-end-rajnath-singh/articleshow/94924462.cms?from=mdr>



Tue, 18 Oct 2022

India among Top 25 Countries that Export Defence Products: Rajnath

Pointing out that India is in a “queue” of top 25 countries exporting defence products with its defence exports touching Rs 8,000 crore in the first half of 2022-'23, Defence Minister Rajnath Singh said that for world to gain trust, “we will have to first trust our products”. Addressing a curtain raiser event of DefExpo 2022 in Gandhinagar Monday, Singh said, “India, which used to be considered the biggest importer, is today in queue among the top 25 countries exporting defence products.” “Path to Pride” is the theme of DefExpo 2022, scheduled to be held from October 18 to 22 in Gandhinagar, Ahmedabad and Porbandar. “Path to Pride is not just a theme, but a vision of New India,” he said. “If we want the world to trust our products, then it is essential that we ourselves trust them. Path to pride is part of this continuous process to gain this trust,” he said, while talking about the focus of the expo that will exhibit products of 1,340 companies having operations in India. It will also feature defence ministers from 33 countries.

During the expo, 451 MoUs worth Rs 1.5 lakh crore will be signed, of which 33 MoUs worth Rs 5,500 crore are for projects in Gujarat. At the last DefExpo held at Lucknow, 201 MoUs were signed. Talking about the defence exports from India, Singh said, “Before 2014, defence exports worth approximately Rs 900-1,300 crore used to happen. Now we are exporting more than Rs 13,000 crore and in first six months of current financial year, we have exported products worth Rs 8,000 crore. By 2024-'25, our target is Rs 35,000 crore.” Singh also held bilateral meetings with defence ministers of six African countries. “I have already finished bilateral meetings with three defence ministers and I will be meeting three more later today,” said Singh who is scheduled to hold bilateral meetings on October 18 and 19.

Singh will also chair the “2nd India-Africa defence dialogue” on October 18 and “IOR+ Defence Ministers Conclave” on October 19 that is expected to be a closed-door event. Prime Minister Narendra Modi will formally inaugurate the event in October 19. Defence secretary, Ajay Kumar said, “India and Africa has always been close friends and partners. We are now seeing what are the possibilities of cooperation in defence. We are helping the countries in Africa through our defence industries, we are building their capacities and in partnership with them we are tackling drug trafficking, piracy and hurdles on coastal areas.” Talking about “Invest for Defence” scheduled on October 20, Kumar said this was the first time such an event is being held with DefExpo. During the event, PM Modi is expected to virtually lay foundation stone for

a new Indian Air Force base at Deesa in North Gujarat. The expo will also see indigenously developed trainer aircraft, HTT40 being displayed by HAL.

Earlier in the day, Rajnath Singh released the Gujarati edition of book “Modi@20:Dreams Meet Delivery” at Gandhinagar. The function at a hotel was attended by chief minister Bhupendra Patel and Union Minister of State for Information and Broadcasting, Fisheries, Animal Husbandry and Dairy, Dr L Murugan. “Modi is only the second leader after Mahatma Gandhi who has known the pulse of our nation while communicating directly with people of the country,” Singh was quoted as saying in an official release from the government.

<https://indianexpress.com/article/cities/gandhinagar/india-among-top-25-countries-that-export-defence-products-rajnath-8214642/>



Tue, 18 Oct 2022

At DefExpo-2022, India to Pitch Military Hardware to Africa, IOR Countries

India has undertaken a transformative journey from being the largest defence importer to an exporter, Defence Minister Rajnath Singh said on October 17 at the curtain raiser event of the 12th edition of DefExpo in Gandhinagar. Two major conclaves, the second edition of both the India-Africa Defence Dialogue (IADD) and the Indian Ocean Region (IOR)-plus conclave will see India pitching its military hardware to various countries. “The IADD and IOR+ Conclave will be two very important events for promoting peace, security, prosperity and defence cooperation throughout the region and establishing new defence and industrial partnerships,” Mr. Singh said. At the third day of the defence exhibition on October 20, 451 partnerships in terms of Memorandum of Understandings (MoU), Transfer of Technology agreements and product launches are expected compared with 210 at the last DefExpo, said Defence Secretary Ajay Kumar.

Stating that India and Africa have been close friends and partners, Mr. Kumar said to take this forward, the two sides have been conducting a dialogue. This, he said, includes companies discussing with them, capacity building, and participation in tackling maritime threats like piracy and drug trafficking. The government has set an ambitious target to achieve a manufacturing turnover of \$25 billion, or Rs.1,75,000 crore, including exports of \$5 bn in aerospace and defence goods and services by 2025. The government has announced a series of measures in this direction. The country’s defence exports which have been growing year on year in the past few years touched Rs.13,000 crore for 2021-22. For this financial year, they have reached Rs.8,000 crore, Mr. Singh said in response to a question.

Largest participation so far

Briefing on the expo, Achal Malhotra, Director, Defence Exhibition Organisation in the Department of Defence Production, said 75 countries will be participating in DefExpo 2022. More than 53 African countries have been invited for IADD to be held on October 18 and 44 for the IOR+ conclave on October 19, he said. This edition has the largest participation so far and is

spread over one lakh square metres with 75 countries, 33 Foreign Ministers, 1,340 Indian companies and 10 State pavilions, Mr. Malhotra said. The broad theme of the IADD was “India-Africa: Adopting Strategy for Synergising and Strengthening Defence and Security Cooperation’, the Defence Ministry said in a statement. “India and Africa share close and historical ties. India’s approach towards Africa is guided by the Kampala Principles enunciated by Prime Minister Narendra Modi in 2018. India’s engagement rests on African priorities as outlined by Africans themselves.” it stated.

The first IADD was held in Lucknow, Uttar Pradesh, during DefExpo 2020 and the ‘Lucknow Declaration’ was adopted at the end of the conclave as an outcome document. A similar ‘Gandhinagar document’ will be adopted at the IADD. The IADD will explore new areas of convergence for mutual engagement, including in areas like capacity building, training, cyber security, maritime security and counter terrorism, the statement said. As part of the DefExpo, live demonstration by the Army, the Navy, the Air Force, the Coast Guard and the DRDO, showcasing land, naval and air procedures, and systems in action will be held from October 18 to 22 at the Sabarmati River Front. The joint live demonstration will include combat freefall, Sarang helo aerobatics, slithering from helicopters into a boat, high speed boat runs and neutralising enemy post.

<https://www.thehindu.com/news/national/at-defexpo-2022-india-to-pitch-military-hardware-to-africa-ior-countries/article66022789.ece?homepage=true>



Mon, 17 Oct 2022

DefExpo2022: To Showcase the might of the Domestic Defence Industry

By Amit Cowshish

Good wishes for the Defence Exhibition Organisation (DEO) would be in order as its five-day flagship event, DefExpo-2022, gets underway at Gandhinagar in the election-bound state of Gujarat. The aim of this exhibition of land, naval and homeland security systems is “to showcase the might of the domestic defence industry which is now powering the ‘Make in India, Make for the World’ resolve of the Government and the nation at large”. Considering that India is currently the largest importer of arms, this is a bit of an overstatement. The problem with such snappy taglines is that one can claim success even before the event unfolds, as the outcomes are not precisely measurable, and statistics about the acreage covered by the exhibition, or the number of participating exhibitors, countries, delegates, and visitors, can always be put together for the post-event fanfaronade, with glossy pictures thrown in for good measure.

In a publicity blitzkrieg before the event, MoD’s official tweet claimed on September 27 that the ‘Asia’s largest DefExpo (was) already the biggest since its inception with 1136 registrations’ and that the ‘unmistakable opportunity (spread) across a First-ever 4-venue format’ would enable ‘flourishing A&D Trade & Business’. Three days before this tweet the exhibition had already been pronounced a grand success by the Press Release which claimed that this ‘first-ever edition

exclusively meant for the Indian companies' promised to be 'the biggest ever' with over 1000 exhibitors registering for the event, and many more expected to follow suit.

The Ministry of Defence made a virtue out of necessity by limiting the participation to the Indian companies, subsidiaries and divisions of the foreign companies registered in India, and joint ventures. This was a smart move as it would have been impossible to persuade the parent American and European companies to be present at the event alongside the Russian companies in the backdrop of the enduring mindless violence in Ukraine. The limited participation will have some impact on the variety of equipment displayed at the exhibition, but the MoD has lined up several events to make up for this inadequacy. In a clear indication of India's priorities, the 2nd India-Africa Defence Dialogue, in which 53 African countries may participate, and the Indian Ocean Region plus (IOR+) conclave with participation of about 40 countries, are scheduled to be held during the DefExpo 2020.

The DEO has also planned back-to-back 'intensive interactions and ideation at seminars' with eminent panellists from the central and state government, industry, academia, think-tanks, and the like, to 'provide important learnings/take-aways/action points for further growth of this sector'. Additionally, there will be a Defence Minister's Excellence Awards presentation ceremony, live demos at Sabarmati River front, ship visits for the public by the Indian Coast Guard at Porbandar, and the Defence Minister's dinner enlivened by a drone show open for public viewing. The drone show will be staged by an indigenous IIT Delhi start-up Botlabs, which is one of the many winners of several rounds of innovation challenges thrown open to the public by the MoD under the Innovation for Defence Excellence (iDEX) scheme. The exhibition surely has the ingredients of a grand spectacle, and while there is little doubt that it will be quite well organised, the claims about its takeaways seem overpitched.

It's difficult to visualise what kind of 'flourishing A&D Trade & Business' can take place at the exhibition. There will be no immediate buyers and sellers of the products on display. The companies participating in the exhibition are already operating in India and thanks to the intense involvement of the industry associations in facilitating interaction among the defence units and with the government at various levels, there is no pressing need to provide an additional platform for business networking. At any rate, a packed back-to-back programme spread over five days isn't likely to provide opportunities for many one-to-one interactions among the limited number of exhibitors and officials who will grace the exhibition. More importantly, the participants can be expected to be familiar with one other's business interests and industrial capabilities.

For sure, some big announcements like the setting up of a manufacturing plant in Gujarat or investment in the state may be made by a handful of companies but it will be naïve to believe that the underlying deals were struck during the exhibition or facilitated by it. The defence industry is always hungry for the opportunities to interact with the top brass of the central and state governments, especially MoD's civil and military bureaucracy, but experience shows that seminars and discussions organised as a part of such mega events generally boil down to traditional ceremonies like lighting of lamps or tedious official monologues by the 'dignitaries' with hardly any time left for the participants to put across their perspectives.

Meanwhile, the 'public' attending the exhibition may be curious to see the military equipment on display but cannot contribute to the discourse on 'Make in India, Make for the World' which has become the trope for self-reliance in indigenous research, development and production of military equipment, and exports. All in all, it promises to be a great public event, beyond which

its contribution to furthering the cause of 'Make in India, Make for the World' remains unclear. The DEO has its task cut out for itself as it will need to convince the world -in absentia, as it were, as the participation is limited to the Indian companies- that India is a budding defence manufacturing hub and has the potential of becoming a major exporter of arms, notwithstanding the fact that presently very few locally designed state-of-the-art weapon systems and platforms are being manufactured in India and, as observed earlier, India is currently the topmost importer of arms.

Most importantly, defence being a monopoly, business prospects are heavily dependent on the government's ability to fund design, research, and prototype development, and buy the products manufactured by the industry. The well-acknowledged perennial shortage of funds is a damper which no one wants to talk about. Official statistics show that in the coming three years (2023-26), the defence outlay is likely to be Rs 9,87,470 crore less than what the armed forces may ask for. More than half of this would be for procurement of major equipment, weapon systems and platforms. Defence manufacturing cannot be sustained primarily on the strength of exports which, in any case, is a difficult market to make inroads into. India's share in global exports presently stands at 0.2 per cent; increasing it to the level where it becomes the mainstay of the Indian defence companies is going to be very, very difficult indeed.

<https://www.financialexpress.com/defence/defexpo2022-to-showcase-the-might-of-the-domestic-defence-industry/2716635/>



Tue, 18 Oct 2022

Jindal Defence Partners Brazil's Taurus Armas to make Small Arms

In a step forward for India's defence indigenisation ambitions, Jindal Defence is set to begin manufacturing small arms domestically in partnership with Brazilian defence major Taurus Armas S.A. Having concluded a joint venture agreement in 2020, the two companies expect to start production from January in a plant in Hisar, Haryana. "We have already set up our plant in Hisar and are now waiting for a plant approval from the various stakeholders to begin production", says CP Agrawal, head of defence and composite business at Jindal Defence and Aerospace. The plant was set up with an initial investment of \$5 million for the land and construction costs. According to Agrawal, the plant will look to manufacture a 9mm pistol for use by the Central Armed Police Force (CAPF) and the Indian Army. The two companies are also planning to make a 5.56 x 45mm carbine which is required in large numbers by the Indian Army. Jindal Defence and Taurus Armas are participating in the latest Request for Information process initiated by the government for this weapon.

Agrawal said that they, "also have the 7.62 x 39mm which will be a replacement for the AK platform and will be supplied to the CAPF and Indian Armed Forces". The firms plan to demonstrate these weapons at the upcoming DefExpo 2022 which will be held in Gandhinagar. "We are looking to produce whatever our forces need in terms of small arms in our factory in Hisar," said Agrawal. The joint venture between Jindal Defence and Taurus Armas S.A has a 51:49 equity participation ratio. Taurus Armas is a well-known name in the defence industry and

is particularly renowned for its manufacture of pistols and firearms for law enforcement agencies. While it entered defence in the 1940s, the Jindal group is a relative newcomer to the industry. Before this venture into small arms manufacturing, the firm's efforts focused on special alloys and blast-resistant armour for aerospace and defence industries.

The success of the JV agreement also speaks of progress in India's push to manufacture defence products domestically. According to Agrawal, Taurus Armas initially came in with concerns about technology transfers and the safety of their technology. "However, the perspective has completely changed now. We are going to have a completely Made in India weapon". By January 2023, Jindal expects to achieve 92% indigenous content (IC) in its 9mm pistols and over 50% of the same for its carbines. By June 2023, it hopes to build pistols with 100% IC and achieve a 70% indigenous content ratio for its carbines. It has not been entirely smooth sailing. Major international defence players remain cautious about transferring technology and setting up shop in India. One challenge, as Agarwal puts it, is the sheer size of the requirements that must be met in the Indian market. Many international firms are unused to catering to such volumes.

"When we talk to some defence companies, they say they are ready to support us but will not transfer technology", says Agrawal. The solution, he says, is for the government to help improve comfort levels among foreign defence majors in transferring technology. Another idea is for the government to also help private firms, and not just defence PSUs, acquire key technologies. "If we put government resources towards bringing technology towards the private sector as well, I personally believe we can grow this sector much faster" said Agrawal.

<https://www.livemint.com/companies/news/jindal-defence-partners-brazil-s-taurus-arms-s-a-to-boost-arms-indigenisation-11666008491683.html>



Mon, 17 Oct 2022

Argentina Looking towards India to Build Military Might

South American nation Argentina stands out among the countries expressing their interest in the indigenous Light Combat Aircraft (LCA) Tejas. Mired in a fierce diplomatic struggle against the United Kingdom (UK), Argentina has been unable to modernise its defence forces. While the US has offered them second-hand F-16s with modest modernisation, it is keen to equip itself with more formidable combat aircraft for starters. And aircraft might be the start.

Top Argentine Defence Delegation here

Top diplomatic sources confirmed to Financial Express Online that top military officers led by the Argentine Chief of the Joint Chiefs of Staff, General Juan Paleo will be visiting the DefExpo in Gandhinagar to scout around for different platforms and weapons India has to offer. Besides visiting the pavilion of Hindustan Aeronautics (HAL), he and his officers will also meet top officials of Defence Research and Development Organisation (DRDO) during the expo.

Diplomatic sources have also confirmed that pilots of the Argentine Air Force have been to the HAL facility to test the LCA `Tejas' in Bengaluru and General Juan Paleo and his team will also be stopping over in Bengaluru at the HAL facilities on their way back to New Delhi.

Interest in the recently inducted Light Combat Helicopter

The team is expected to test with its pilots the helicopters on offer by HAL, especially the Light Combat Helicopter (LCH) Prachand.

Argentine Predicament

Financial Express Online has reported earlier that in a historic clash of claims over the Falkland Islands, a group of islands off the coast of the South American nation and the UK have been engaged in a hardline diplomatic standoff. The turning point in the dispute was the Argentine attempt at militarily reclaiming the islands. The UK was able to ensure the surrender of the Argentine offensive. Since the 1982 Falklands War, the UK has been actively against the modernisation of the Argentine military. The UK's arms embargo against the country remains in effect even today.

Argentina scouts around for fighter jets

When Argentina was in the market for fighter aircraft, it selected the South Korean FA 50. However, the UK arms embargo rendered the deal dead, and prior to the FA-50, Argentina favoured the Israeli Kfir Block 60s. This, too, did not mature following the US snub over the American engines in the fighter. The Air Force of Argentina is now with dwindling air power and fleet and there seems to be no respite. According to reports in the public domain, the Chinese aircraft deal was cancelled following American pressure.

The India way

Financial Express Online had reported in 2021 that HAL had offered the LCA Tejas to Argentina. However, fearing the UK arms embargo, Argentina has tasked HAL to find alternatives for any components from the UK being used in the LCA Tejas. This task includes finding a replacement for the UK-origin ejector seats.

Is there an alternative to Martin Baker's Ejection Seat?

Yes, HAL has been looking at the possibility of using a Russian ejection seat to replace the UK company's if a deal with Argentina goes through.

HAL & Argentina

HAL has been bullish on engaging the South American nation. In September HAL executives went on a high-profile visit and met vital members of the military as well as their state-owned aeronautics enterprise, Fábrica Argentina de Aviones. State-owned HAL has positioned itself as a defence partner instead of backing on a single product export. And Argentina seeks to build up its air power as quickly as possible.

"India's self-reliance journey can further empower Argentina's sovereignty over choosing fighters for its defence," observed a senior officer who wished to remain anonymous.

<https://www.financialexpress.com/defence/argentina-looking-towards-india-to-build-military-might/2714015/>

Mon, 17 Oct 2022

Production and Sale of AK-203 Assault Rifles to Take off Soon, says Rosoboronexport

The production of the legendary Russian origin Kalashnikov AK-203 assault rifles is expected to start before the end of 2022, says top Russian official. The plan is to have 100 percent localisation of the production of the assault rifles in India and under the joint venture the plan is to increase the production of these rifles and to also modernize the production facilities. A large delegation from Rosoboronexport, which is a subsidiary of the Rostec State Corporation, has arrived in Gandhinagar to participate in the DefExpo which is officially taking off from Oct 18-22, 2022. According to the company's official note, it is participating as a co-founder of Indo-Russian Rifles. This as has been reported earlier in Financial Express Online is a Russian-Indian joint venture which was established to manufacture the Kalashnikov assault rifles here in the country.

More about AK-203

As reported earlier in Financial Express Online, these Kalashnikov AK-200 series assault rifles have already successfully passed the test programme and are not only supplied to the government of Russia but are already being exported to partners who have more requirements of small arms. These assault rifles have retained all the advantages of the traditional AK pattern: ease of maintenance, durability and reliability. And this series of the A-200 assault rifles are in line with all the latest trends in small arms technology. And these are fitted with tactical accessories, integral Picatinny rails for convenient and easy mounting of sights and enabling the effective use of weapons in various conditions. Also these rifles have a folding stock and several other ergonomic solutions which have been incorporated into them and it helps in optimizing operation. They also feature a modified receiver cover and a redesigned fire selector. All this helps the users an opportunity to wholly realize their shooting skills.

Focus during the DefExpo

The Russian side, according to top officials, will discuss with the Indian side the supply and production of AK-203 which are meant for the armed forces and other law enforcement agencies. Also on the agenda during the talks the Russian sides will talk about the wide range of new modern equipment which is designed for customizing the assault rifle and also equipping the personnel. On the eve of the show Rosoboronexport Director General Alexander Mikheev says that he and his delegation was looking forward to fruitful negotiations with partners on the whole range of issues which are related to military-technical cooperation between the two countries. Adding that Rosoboronexport is also ready to discuss other mutually beneficial projects and other exclusive proposals on joint work in line with the terms of ToT (transfer of technology) which India has imposed.

<https://www.financialexpress.com/defence/production-and-sale-of-ak-203-assault-rifles-to-take-off-soon-says-rosoboronexport/2717302/>

Russia Offers its ‘Cutting Edge’ Sprut-SDM1 Light Amphibious Tank to Indian Army Amid China Tensions

The official revealed that they have responded to India’s request by submitting their technical proposals. The Russian business is prepared to undertake talks and demonstrate the tank to the Indian side. The Russian defense firm expressed a strong desire to participate in the Indian tender for the supply of light tanks. It said they are ready to transfer technologies and offer assistance to begin manufacturing the tank in India. The Rosoboronexport official made this announcement ahead of the DefExpo, which will take place from October 18 to 22 in Gandhinagar, Gujarat. The Indian Army, searching for a light tank for a while, has recently started Project Zorawar. The project calls for the induction of light tanks to enable faster mobilization and deployment in high-altitude conflict zones.

Following the stalemate with China in eastern Ladakh, the Indian Army saw an urgent need to deploy light tanks to counter the PLA. Beijing possesses a variety of lightweight tanks, whereas India typically employs heavyweight tanks like the T-90 and T-72. The latest wheeled armored personnel carriers (ZTL-11), assault vehicles from the CSK series, and third-generation modern light tanks (ZTQ 15 (Type 15)) have all been stationed by Chinese forces along the LAC in Eastern Ladakh over the past two years. Chinese ZTQ-15 light tanks sped through mountain passages that Indian armored battalions found challenging to move their big T-72s through at heights of up to 17,500 feet. The operational challenges of employing big main battle tanks (MBTs) in mountain warfare have driven India’s light tank development.

In April 2021, the Directorate General of Mechanized Forces, on behalf of the Ministry of Defense, issued a Request for Information (RFI) to procure 350 light tanks in the 25-ton weight category. This decision was in line with the Make-I category of the 2020 Defense Procurement Procedure (DPP). Furthermore, the Defense Acquisition Council will likely issue an Acceptance of Necessity (AoN) soon. The EurAsian Times had earlier reported that L&T has collaborated with DRDO on “Project Zorawar.” The prototype of the domestic light tank is planned to be unveiled in late 2023. Lt Col JS Sodhi (Retd) of the Indian Army previously told the EurAsian Times that light tanks could significantly improve the combat prospects in the High Altitude Areas (HAA) because they can be tailored to the existing infrastructure, such as bridges and roads. They will have excellent maneuverability to give the Indian Army a better combat advantage.

Sprut-SDM1 Light Amphibious Combat Vehicle

The Sprut-SDM1 is the only light amphibious combat vehicle in its category with the firepower of the main battle tank and outfitted with a 125 mm tank gun, the Rosoboronexport official said. He added that the Sprut-SDM1 could employ any ammunition manufactured in India for the T-72M1 and T-90S tanks. The tank is outfitted with a guided missile system that can outgun armored targets, including those with Explosive Reactive Armor (ERA). The

SPRUT-SDM1 is designed to provide fire support to forces engaged in combat with heavily armored targets, destroy enemy strongholds and defenses, conduct battle surveillance, and maintain combat security.

The official explained that the Sprut could operate day and night on mountainous terrain with thin air, at extremely high and low temperatures, traverse water obstacles, and fire its cannon while afloat. It can also disembark from ships. The Sprut can be transferred by military cargo planes, landing ships, or by parachuting with a crew. The tank has a range of 500 kilometers without refueling. Meanwhile, the Indian Army has outlined its specifications for the light tank. To provide high levels of situational awareness, the military seeks to equip its future light tank with loitering munition, artificial intelligence (AI), tactical surveillance drone integration, and an active protection system. The Indian Army also wants an active protection system to protect the tank from anti-tank-guided missiles and munitions. Due to its exceptional fighting capabilities and performance, this amphibious tank can be used by marines and land troops.

<https://eurasianimes.com/russia-offers-sprut-sdml-light-amphibious-tank-to-indian-army/>



Mon, 17 Oct 2022

Coming Soon, Integrated Testing Facility for Drones near Kanpur as Part of Defence Industrial Corridor

An integrated testing facility for Unmanned Aerial Systems (UAS) or drones manufactured in the country will come up near Kanpur in Uttar Pradesh as part of the UP Defence Industrial Corridor, News18 has learnt. “Indian defence forces are estimated to procure UAS worth three billion dollars over the next 10 years from the domestic manufacturers which will lead to increased testing demand for UAS also. This will be in addition to high growth in the civilian UAV market in the country,” a government document reviewed by News18 says, explaining the decision to set up an integrated test facility for UAS near Kanpur under the Centre’s Defence Testing Infrastructure Scheme (DTIS).

“The proposed integrated testing facility for UAS will provide the necessary testing infrastructure required for promoting and facilitating UAS development in the country. The testing facility will evaluate the airworthiness, functioning, overall performance of UAS,” the document says. It adds that this integrated UAS testing facility shall comprise land, hangar, airstrip, UAS traffic management (UTM) system, radar, and both indoor and outdoor test facilities.

Two more Testing Facilities in Up

Kanpur would also see a Communication Testing facility coming up while an integrated testing facility would come up near Lucknow for mechanical and material testing. Mechanical and Material tests are common for most of the defence platforms and are critical for the defence industry, given the extreme mechanical and material conditions, and operating conditions that defence equipment needs to sustain in. “The proposed facility for Mechanical and Material tests

shall also have synergies with the civil sector, which makes it a compelling business case,” says the document.

Why integrated testing facilities?

One of the main impediments to domestic defence production is the lack of easily accessible state-of-the-art testing infrastructure, the document says. “The defence testing infrastructure (DTI) is often capital intensive requiring continuous upgradation and it is not economically viable for individual defence industrial units to set up in-house testing facilities,” the document says. The DTIS aims at setting up 6-8 Greenfield DTIs as a common facility under the private sector with Government assistance in the upcoming Defence Industrial Corridors in UP and Tamil Nadu. “Setting up of DTI will provide easy access and thus meet the testing needs of the domestic defence industry,” it says. The aim of DTIS, a scheme approved in 2020, is to set up eight DTIs through Special Project Vehicles (SPVs) with an aid of Rs 400 crore from the Centre.

<https://www.news18.com/news/india/coming-soon-integrated-testing-facility-for-drones-near-kanpur-as-part-of-defence-industrial-corridor-6179563.html>



Mon, 17 Oct 2022

Defence PSU, BEL Won International Aerospace & Defence Award



Navratna Defence PSU Bharat Electronics Limited (BEL) has won the International Aerospace & Defence Award for "Excellence in Innovation, Design, Technology or R&D" at the Aerospace & Defence Awards held in Gandhinagar today. Mr. Manoj Jain, Director (R&D), BEL, received

the award from Dr. G Satheesh Reddy, Scientific Adviser to Raksha Mantri, and Mr. Trilok Desai, Publisher, and Editor, SAP Media Worldwide Ltd.

<https://www.psuconnect.in/news/bel-won-international-aerospace-and-defence-award/34800/>



Tue, 18 Oct 2022

Indian Army to Get High and Medium-Altitude Logistics Drones

In a bid to strengthen the logistics capabilities in high-altitude areas the Indian Army has floated a Request For Proposal (RFP) to procure drones through the emergency procurement route through fast track procedure. As per the plan, the Indian Army is looking for 163 drones to be operable at the high altitude while the remaining 200 at medium altitudes with accessories. The Ministry of Defence (MoD), intends to procure quantity 163 Logistic Drones (High Altitude) and 200 Logistic Drones (Medium Altitude) along with Accessories under Buy (Indian) category and seeks participation in the procurement process from prospective Bidders subject to requirements in succeeding paragraphs. As per the Defence Ministry, the mandate is to have 60 per cent indigenous content. The responses have been sought from Original Equipment Manufacturers (OEM) or Authorised Vendors or Government Sponsored Export Agencies (applicable in the case of countries where domestic laws do not permit direct export by OEM) subject to the condition that in cases where the same equipment is offered by more than one of the aforementioned parties, preference would be given to the OEM.

As per the brief, the drones should be compatible with Defence Series Map and Shape file format with a mission range of not less than 10 km. Also, 163 drones with an operational altitude of not less than 4000m AMSL (Approx 13,000ft) and 200 drones should be compatible to operate from 3000m AGL (Approx 9800ft). The drones should consist of one audiovisual per system, one MPGCS, one colour day video camera, a Monochromatic night Thermal Sensor, a container for carriage of stores and one set of a spare battery. Weight of the drones should not be more than 100 Kg (+10%) but suitable to withstand high altitude strong wind currents/ gusts.

The endurance of both the drones should be minimum of 40 minutes with a payload capacity of about 15 Kg for High Altitude drone and not less than 20kg for the medium altitude drone. In medium altitude, the operational altitude should be 3000m AMSL and 1000m AGL (above ground level). The drones will have multiple use including ferrying ammunition, food, fuel and even medicines, said a source. "This RFP is being issued with no financial commitment; and the Ministry of Defence reserves the right to withdraw the RFP and change or vary any part thereof or foreclose the procurement case at any stage," the RFP reads.

<https://www.newindianexpress.com/nation/2022/oct/18/indian-army-to-get-high-and-medium-altitude-logistics-drones-2509181.html>



Mon, 17 Oct 2022

Battery Tech Start-up Indi Energy Wins DRDO contest

Indi Energy, a start-up working in the area of battery technologies, said it has won the first place in the recently held Defence Research and Development Organisation's (DRDO) nationwide "Dare to Dream 3.0" contest. The contest was held, among others, to identify start-ups and provide them with a platform to showcase excellence and innovation. Indi Energy, headquartered in TIDES Business Incubator, IIT Roorkee, was awarded for the development of Sodium-ion battery technology, it said. Akash Soni, CEO and co-founder, Indi Energy said "We are on a mission to develop low-cost, safe and high-performance sodium-ion batteries made from locally available abundant bio-waste and sodium salt precursors, thereby reducing India's heavy reliance on scarce elements such as lithium, cobalt, and nickel that are critical elements in making Li-ion batteries."

"Our proprietary technology will also enable indigenous manufacturing of high-performance battery cells in India without depending on foreign imports for critical raw materials that goes into battery cell production," he added.

<https://www.thehindu.com/business/battery-tech-start-up-indi-energy-wins-drdo-contest/article66023472.ece>



Tue, 18 Oct 2022

Pratt & Whitney Committed to Strengthen India's Aerospace Ecosystem

By Ashmita Sethi

From powering India's legendary DC-3 Parshuram aircraft post-independence, to the 1960s with Air India's first Boeing 707 powered by P&W's JT3D engine – Pratt & Whitney has powered India's flight and its dreams since the very beginning. Our engines power India's aircraft fleet across commercial, defence, regional and general aviation – delivering dependable, economical, sustainable, and fuel-efficient flying. Indian airlines today fly one of newest aircraft fleets anywhere in the world, including more than 180 A320 neos powered by our GTF family of engines. The revolutionary GTF engine delivers 16-20 percent increased fuel efficiency, reduces NOx emissions by 50 percent and noise footprint by 75 percent. Indian airlines, one of the first

adopters of the GTF worldwide, have saved nearly \$1 billion in fuel savings (580 million liters) since its entry into service. The same dependability, and efficiency is delivered by our PW100/150 family for India's regional aviation growth under UDAN. India's ATR and Dash-8 turboprop aircraft, mainstays for regional aviation, run on Pratt & Whitney engines.

Pratt & Whitney is proud to power the Indian Air Force's (IAF) mission critical aircraft which includes the F117 engines on the IAF's 11 C-17 Globemasters, and the PT6A turboprop engine on its 75 PC-7 trainers. Furthermore, Pratt & Whitney has been a key propulsion partner for the NAL-SARAS MKI with our PT6A turboprop engine. Pratt & Whitney Canada and the National Aeronautical Laboratory (NAL) have been working together for over a decade on the development of NAL's multirole light transport aircraft, SARAS. With the latest acquisition of the C295 transport aircraft, powered by our dependable PW127G engines, Pratt & Whitney's ties with the IAF have been further strengthened. As the Indian Air Force looks to expand its capabilities by modernizing its aircraft, Pratt & Whitney is well-positioned to support the IAF in its transformation for the future. Globally, Pratt & Whitney supports our customers in their ambition to achieve net zero CO2 emissions for aviation by 2050. As part of our commitment to provide greener and more sustainable air travel, the company recently announced plans to advance its hybrid-electric propulsion technology.

Our Hybrid-Electric Demonstrator on a Dash-800 will target 30 percent reduction in fuel burn and CO2 emissions, alongside supporting the quicker adoption of Sustainable Aviation Fuels (SAFs). In fact, Pratt & Whitney, with Embraer, has also successfully tested a GTF-powered E195-E2 aircraft on 100 percent SAF, demonstrating that GTF engines can fly with blends of up to 100 percent SAF without any compromise to performance. Pratt & Whitney is also fully committed to support the Government's vision of Atmanirbhar Bharat and its key initiatives like Make in India, Skill India and Start-up India. Apart from working on indigenous platforms like the NAL-SARAS MKI or the Netra, we have also significantly invested in strengthening the country's aerospace ecosystem.

The prime example of it is our Customer Training Center (CTC) in Hyderabad, that provides specialized training on our engines to customers from over 20 nationalities. Moreover, in just last 6 months, the company has announced the establishment of a world-class India Capabilities Center (ICC) focused on our global supply chain operations and India Engineering Center (IEC) in Bengaluru, which will commence operations in January 2023, while it also continues to maintain an R&D presence through the Center of Excellence (COE) at the Indian Institute of Science (IISc), Bengaluru. As the company has demonstrated its commitment towards developing India's overall aerospace ecosystem, Pratt & Whitney is committed to supporting India's aerospace evolution through the regional connectivity scheme, UDAN, the future IAF fleets powered by P&W engines, increased in-country investments, R&D, supply chain and industry collaboration.

<https://www.financialexpress.com/defence/pratt-whitney-committed-to-strengthen-indias-aerospace-ecosystem/2714145/>



Mon, 17 Oct 2022

All about Unmanned Surveillance and Survey Solutions

Guwahati-based, Drones TechLab builds smart, customised, unmanned surveillance and survey solutions – integrating drones, rovers, software and data analysis systems – for defence organisations, power corporations and municipal corporations/ smart cities. To date, it has offered services to DRDO, the Indian Army, the Indian Air Force, the NDA, the National Disaster Management Authority, the National Informatics Centre, the Archaeological Survey of India, and the Government of Assam, Meghalaya, Tripura and West Bengal, to name a few. The startup's corporate clientele include Larsen & Turbo, JSW and GENSTRU among others.

It is truly said that the best thing in the world is to be involved in a job that you are passionate about. Graduating from college with an aeronautical degree, I decided to start a venture in drone technology, a subject which I had fallen in love with while attending one of the college symposiums. After meeting childhood friends at Kolkata, the plan to start a venture came to existence in 2016. Since then, the team has grown manifold with clients ranging from different government organisations to corporate industries. Gradually, with increase in demand for drones and its related services, we increased our product line to cater to other government and corporate bodies. Our aerial platforms equipped with thermal, oblique and multi spectral payloads helps to penetrate inaccessible areas fast and easy and also reduces risks. Gathering higher density data for accurate results with real time tracking and overview of the situation from a remote site is possible.

In the initial phases, the drone industry was not regulated. Thus, drones were looked into as a restricted product. We mitigated these issues by deploying our solutions in the defence forces where it got a huge response. After successful product launch, we started getting orders. There were severe working capital issues that we had to face while fulfilling these orders. We solved those by applying to different government schemes and availing MUDRA loans from banks. Recently we have represented the state in the India Pavilion during Dubai Expo 2020 where top start-ups of North East were invited. To push Make-in-India initiative, the government is going all out to support domestic drone industry by tweaking its regulations and policies to open up more opportunities for the Indian Drone Startups. The Svamitva Scheme launched by our Prime Minister is a direct example of this effort.

From its applications in defence, agriculture, surveillance, law enforcement, delivery services, mapping and so on, the possibilities for the use of drones are endless and with the government showing its clear intent to make India a global drone hub by 2030, the prospects for the growth of the drone industry are immensely strong. Assam Government is also pro-actively implementing drones for disaster management like during the recent floods where we have pressed out medicine delivery drones into action. Moreover the forest, agriculture and survey departments are also deploying drones throughout the state. According to a ministry of civil aviation estimate, India's drone sector will achieve a turnover of Rs 12,000-15,000 crore by 2026, from about Rs 80 crore now.

We feel that drones have the potential to be used in all areas that are dull, dirty or dangerous to humans. But these aerial machines need a licensed pilot to operate. The scopes of a certified

drone pilot in India are huge. We have collaborated with the Government of Assam and have launched North East India's first government approved Drone Pilot Training School that would pave the way for the youths of this region to become certified drone pilots. It is true that an entrepreneur's journey is lonely and tiresome, yet when you get the right set of people as your mentors, chances of survival increases tremendously.

Right from bagging the first DRDO order to undertaking a humongous order of Indian Army, the whole team at IIM Calcutta Innovation Park and especially Dr. S Sanyal have been with us through thick and thin. We have been connected to the who's who of reputed banks to finance the projects undertaken by us. Industry connects to assigning a mentor by way of Mr. Devasis Gupta; we have received tremendous support from team IIMCIP. Our growth and expansion has been fuelled by a recent raise of 15 million rupees from Balmer Lawrie & Co as a part of Start Up India Scheme with due guidance from IIMCIP. Further, we have been incubated at IIT Guwahati Research Park to strengthen our research and development efforts through industry-academia ventures.

<https://www.sentinelassam.com/life/all-about-unmanned-surveillance-and-survey-solutions-618671>



Mon, 17 Oct 2022

SOAR – First Line of Defence against Cyber Attacks

Although industrial automation has been discussed since 1952, more automation technologies have been created and embraced in the last twenty years than ever. With business processes getting integrated into IoT technology, making everything a part of the automation revolution, has also opened a can of worms for the cybersecurity crisis, which is only getting more complex by the day. Since there are too many procedures to follow and tools to control, older Security Operation Center (SOCs) frequently fail to evaluate signals immediately. This pace of increasing complexity of the modern cybersecurity scenario makes it further imperative that we embrace automation in responding to the same. The ability to respond to crises with a plan is the most important aspect of the SOC.

The range of attacks has augmented throughout time. To stop dangers from happening and to respond to them, several diverse technologies are required. Security Orchestration Automation and Response (SOAR) reduces incident response times by operationalizing SOPs and increasing SOC effectiveness across the perimeter. SOAR uses automation to speed up response times by ingesting alerts from SIEM (security information and event management) solutions which enable businesses to effectively gather and examine log data from all of their digital assets in one location and other SOC-related technology.

The Functional Components of SOAR tools

Three essential elements make up a SOAR platform: Orchestration, Automation, and Reaction.

Orchestration: Orchestration quite simply is visualizing the bigger picture. By incorporating disparate technological and security tools, orchestration enhances incident response. Rather than focusing on the incident alone, orchestration enables organizations to understand the cause of the

incident and its impact. A botnet delivered over E-Mail will be responded to not only with a quarantine mail/file action but will also contain the impact by incorporating the firewall traffic to block the CNC communication.

Automation: Numerous tedious procedures may be needed to manually detect and respond to security incidents. The current challenge lies in the fact that multiple teams must collaborate to contain an incident. More often than not the person identifying the incident is not the one acting on containing it. Incorporating an autonomous system ensures proper process is followed irrespective of the scenario. For instance, SOAR systems can automatically classify specific occurrences, avoiding the need to manually investigate each one to determine whether it constitutes a security incident. Security teams can define standardized, automated processes using SOAR systems, including workflows for decision-making, health checks, compliance and containment, and internal audit.

Response: SOAR acts as the first line of defence for any Cyber Attacks faced by organizations. SIEM and threat intelligence feeds are integrated into SOAR platforms, which gather data from various security tools. SOAR automates responses by incorporating the intelligence provided by these solutions to instantaneously contain the attack and ensure proper business continuity. In addition to providing comprehensive information about the security incident to security personnel, they assist in triaging and prioritizing security occurrences. Additionally, SOAR offers case management, facilitating staff members of SOCs collaboration, communication, and task management.

The Role of SOAR in reducing Response Time

Any scenario involving security breaches is more likely to cause harm the longer it is left unattended. The ability to immediately assess the level of danger connected to the indicators of compromise is essential to minimize the attack surface—and the amount of dwell time. Utilizing a (SOAR) solution with threat intelligence technologies integrated into business workflows is one of the smartest methods to assess and respond to that risk. SOAR will aid incident management personnel at any stage of the attack by automating procedures and functionalities and responses, such as automatically generating incidents, sending targeted notifications to analysts involved in the incident and setting suitable workflows based on the incident's circumstances. In addition, SOAR provides enriched information for the SoC analysts to take act upon. Additionally, SOAR has a built-in AI-ML Engine that recognizes common response patterns and recommends automation of said tasks.

With SOAR, the incident management team may also be notified of and/or updated with the most recent best practices from the Knowledge Base repository, and it can provide individualized reports for each occurrence as well as tailored visualizations of team member duties, all from the Dashboard.

Why Integrate SOAR

Every business wants to ensure the security of its data. However, without the proper personnel and equipment, this can be difficult. With SOAR, organizations may significantly cut down on the staffing requirements for a successful SOC. Additionally, it lowers error rates and enhances decision-making. Existing SOC teams are optimized using SOAR. Because SOAR is an autonomous system, the limitations we humans have is completely eradicated.

The alert fatigue factor commonly has an impact on the security analysts' performance at the organization's SOC. Analysts are responsible for managing enormous volumes of threats every day, and they must struggle to distinguish between genuine threats and false positives, which has a detrimental effect on their productivity. Additionally, there is a shortage of cybersecurity talent, which exacerbates the decline in efficiency and the alarmingly high rate of analyst errors. SOAR can truly make a difference in this situation. By analyzing, deciding, and responding to security incidents, SOAR can drive security operations to enhance an organization's overall security posture.

<https://timestech.in/soar-first-line-of-defence-against-cyber-attacks/>

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