

A dark blue world map is centered in the background. The country of India is highlighted with a small, colorful icon of the Indian national flag (Tiranga) with a white Ashoka Chakra in the center.

BHARAT FORGE



KALYANI

#wearebharatforge

Your Trusted Partner, Today & Tomorrow.

BHARAT FORGE



Solid global presence with **18** manufacturing facilities



Reliable delivery and support, enhancing customer satisfaction



Strong partnerships for streamlined supply chain and efficiency



Local access to leading companies and close customer collaboration



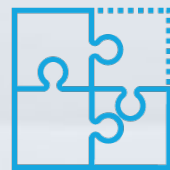
Strategic growth opportunities leveraging local market dynamics



Valuable market insights and intelligence for informed decision-making



Strengthened market presence and profitable growth strategies



Tailored solutions based on regional preferences and regulations



Risk diversification across multiple countries



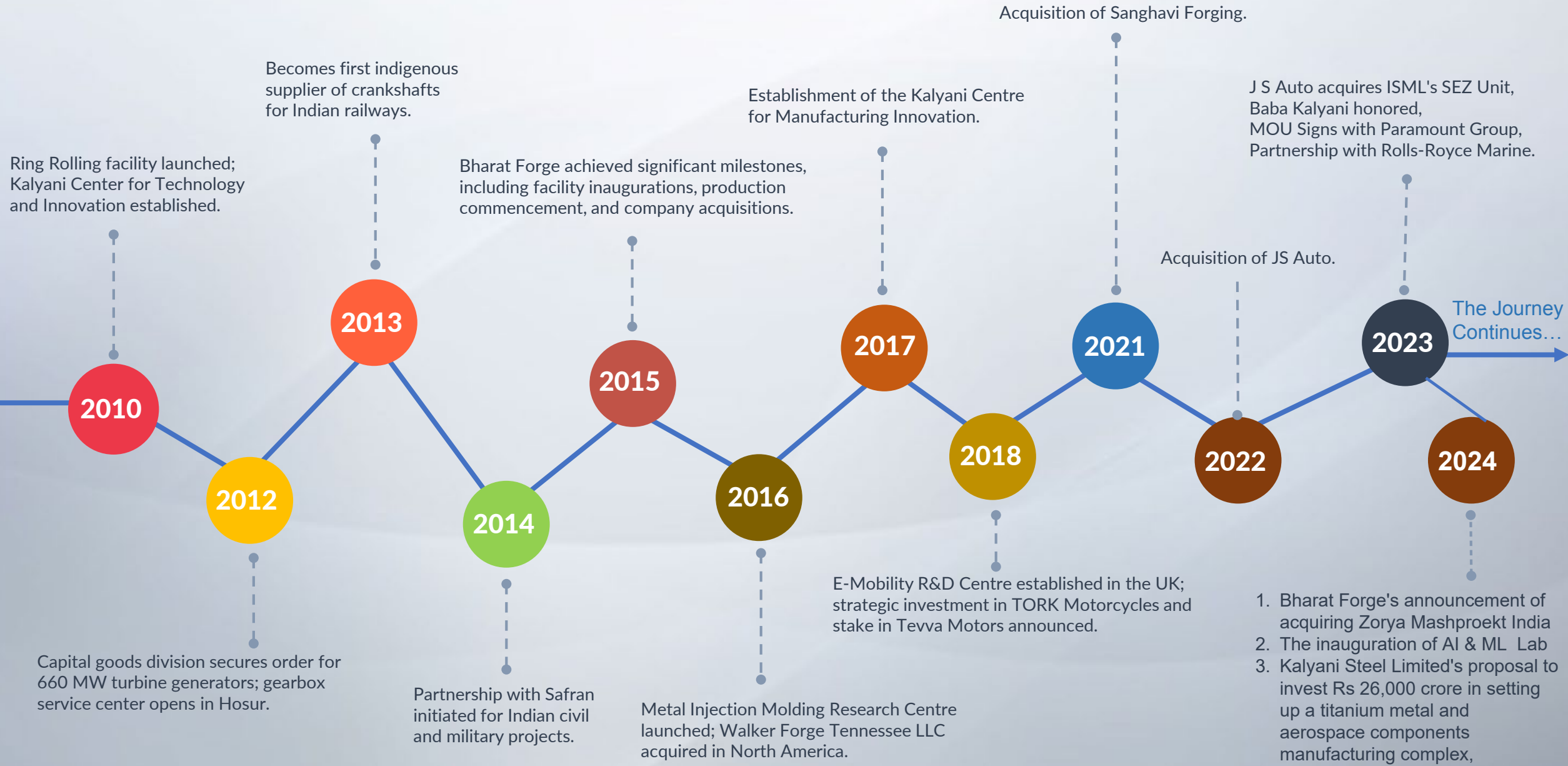
Innovation and adaptability for staying ahead in the market



We made a beginning!



We made a beginning!



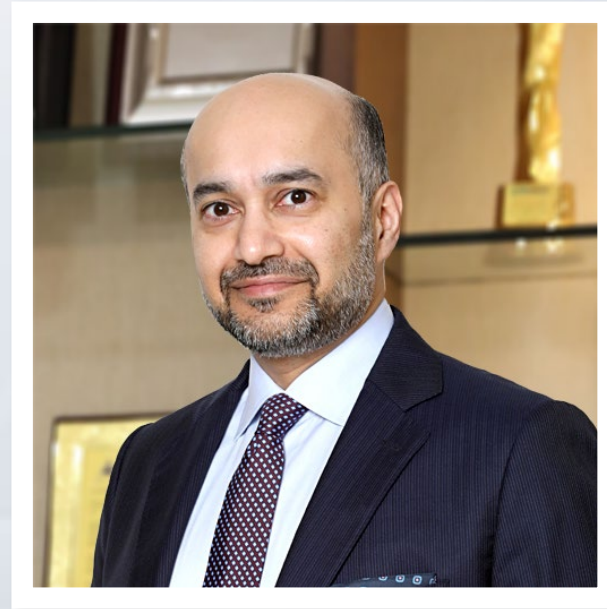
1. Bharat Forge's announcement of acquiring Zorya Mashproekt India
2. The inauguration of AI & ML Lab
3. Kalyani Steel Limited's proposal to invest Rs 26,000 crore in setting up a titanium metal and aerospace components manufacturing complex,

Leading with innovation, Inspiring the change .

BHARAT FORGE



Mr. B. N. Kalyani
Chairman & Managing Director



Mr. Amit B. Kalyani
Vice-Chairman & Joint Managing Director

Message from the Chairman & Managing Director



Mr. B. N. Kalyani
Chairman & Managing Director

Our values set us apart. Spirit of innovation is the core of the organization's DNA and plays a paramount role in delivering value to our customers through extensive focus on technology & value addition.

The World is Our Playground

BHARAT FORGE



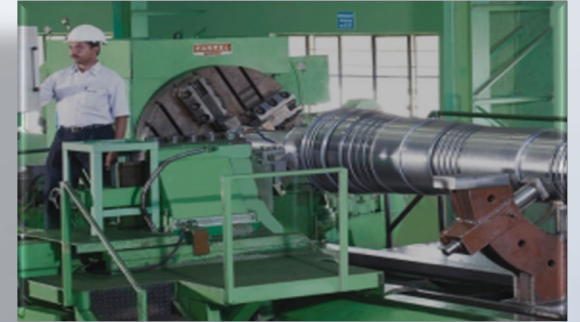
National



Bharat Forge Ltd.
Pune, India



Bharat Forge Centre for Adv. Mfg.
Baramati, India



Bharat Forge Ltd.
Satara, India

Global



Bharat Forge
Aluminium USA, Inc.

USA



Kalyani Mobility
Driveline

USA



Bharat Forge CDP

Germany



Bharat Forge
Aluminium Technik

Germany



Bharat Forge
Kilsta

Sweden



Mécanique Générale
Langroise MGL

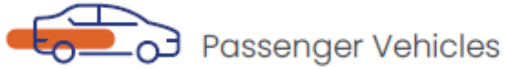
France



Bharat Forge PMT
Technologies (BF-PMT)

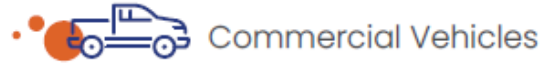
North America

Engineering expertise across diversified businesses



Our Expertise

- India's largest auto component exporter
- Amongst world's leading powertrain and chassis components manufacturer having front-line design



- and engineering, dual shore manufacturing and full-service supply capabilities
- Products supplied to leading global automotive OEMs and Tier I suppliers



- Capability across steel and aluminum forgings and castings
- Process knowledge and manufacturing competencies



Our Expertise

- Indigenous capabilities in Defence business across diverse metallurgy and material science, advanced technologies (embedded electronics, control systems, AI & data analytics) and platform/products development enabling full system capabilities across artillery systems, protected vehicles, armored vehicles and unmanned systems
- Reputation for manufacturing top-quality rotating and landing gear components for global aerospace players with zero-defect supported by an end-to-end digital footprint
- A long-standing supplier of critical components to Indian defence establishments and global aerospace players



Our Expertise

- Leading railway engine components manufacturer in domestic and global markets
- Capability of supplying indigenously developed turbochargers for rail applications



Our Expertise

- Manufacturing high quality and durable products for a range of heavy engineering applications



Our Expertise

- Manufacturing critical components for thermal, wind, hydro and nuclear applications across geographies
- Built capabilities in renewable energy



Our Expertise

- Manufacturing critical, high-end construction and mining components
- Highly durable products for use in extreme temperature and pressure applications
- Explore potential for sub-systems leveraging wide construction equipment component manufacturing competence of JS Autocast

Innovating today for smarter tomorrow.

Kalyani Center for Technology & Innovation (KCTI)



Provides advanced technical training and academic courses to our people.

It undertakes R&D in metallurgical properties of various metals, optimization of forging processes, value addition & value engineering (VA/VE), development of total systems, co-develop products & processes with BFL

Key innovations & Product Development

In FY 2023, we stepped up efforts on innovation and new product development (NPD) to stay competitive in the industry amidst heightened penetration of emerging technologies. Key measures undertaken include:

242

R&D employee strength

97

Total Patents filed till date

54

New product developed

Kalyani Mobility



It supports product development for light weighting & E-mobility business

Incubating disruptive technologies in material alloys & manufacturing processes

Kalyani Centre for Manufacturing Innovation (KCMI)



It undertakes R&D in new product development, incubating new technologies through rapid prototyping, establishing design for manufacturing processes and technologies.

It's all about winning together!

Prestigious Recognitions from Customers



Global Supplier of the Year



Performance of the Year (2021 & 2022)



Sustainability Initiatives Lead



Supplier of the Year



Global Supplier of the Year



ESG Award



Supplier Excellence for the year



Supply Chain Excellence



Partner Level Performance



Quality for the year



Enriching Lives
Overall Business Performance



Business Alignment – Gold

VISION MISSION 2030



Vision 2030

Progress to BFL 2.0 by scaling our competencies and reaping the benefits of our investments

- Produce high quality, technology driven, highly differentiated products
- 80% of electrical energy to be renewable by 2030
- Convert 100+ drought-prone villages of Maharashtra to Green villages
- Plant 1 million trees by 2030 under CSR initiatives
- Become Water positive by 2030.
- Be the preferred partner for all stakeholders
- Expand market share and increasing value addition through subassemblies and assemblies Mission 2030



Mission 2030

To Bring Cutting-Edge technology to markets:

- With speed and agility
- By encouraging creativity
- By fostering an inclusive environment Integrating advanced technology in all facets of the business

Be aligned with Viksit Bharat mission of making India self-reliant by 2047

THE FUTURE IS HERE

BHARAT FORGE



Bharat Forge, a leading industrial powerhouse, has inaugurated its cutting-edge facility: the AI & ML Tech Centre. This pioneering establishment marks a pivotal stride towards digital transformation within Bharat Forge, amplifying its capabilities and fostering innovation. With a focus on leveraging Artificial Intelligence (AI) and Machine Learning (ML), the center is poised to revolutionize operations, augmenting efficiency and precision across various domains.

At the heart of this initiative lies Bharat Forge's commitment to nurturing young talent, empowering them with the tools and knowledge to spearhead advancements in the industry. By embracing emerging technologies, the company not only enhances its own prowess but also contributes significantly to the vision of Make in India and a self-reliant India.

The AI & ML Tech Centre stands as a testament to Bharat Forge's dedication to innovation, propelling the company towards greater heights while championing indigenous expertise and capabilities.



Charting the Roadmap to Stronger & Sustainable Growth

Drive sustainable growth & become an innovative engineering company



"All our businesses will be using more and more renewable energy. Today we use on an aggregate 29% renewable energy, by 2026 we will cross 60% and by 2030 we will be substantially above 80%,"

Mr. Amit Kalyani

Vice-Chairman & Joint Managing Director

Giving back to the society



3790+
Youth
Skilled

3,251+
Volunteers
Per Year

1300+
Women
Empowered

5+
Sportsmen
Supported

2,31,544+
Lives
Touched

2,16,215+
Rural Lives
Touched

36,978+
Student
Impacted

Embedding ESG into Operations

Our Sustainability Agenda

Environmental



We strive to protect the environment by improving efficiency and reducing emissions. Optimizing use of resources

- Improving Resource Efficiency
- Reducing Emissions & Waste

Governance



We strive to build an organization which stakeholders can trust by ensuring good governance and ethics.

- Good Governance
- Compliance to Ethics

Social



We strive to nurture our people, business partners and communities by empowering them to shape the future.

- Growing Human Capital
- Engaging Business Partners
- Giving Back to Communities

WE'VE HAD OUR SCIENCE-BASED TARGET APPROVED

The SBTi has approved Bharat Forge's Near-Term Science based emission reduction targets

We prioritize Environment, Social and Governance (ESG) in its corporate strategy to address climate change and socio-economic challenges. The sustainability framework guides actions to address risks and opportunities, guiding actions to meet the increasing demand for sustainable solutions. In 2023, we pledged to become ESG leaders in the manufacturing sector, setting ambitious targets and implementing a robust de-carbonization roadmap. An ESG committee, led by the Executive-cum-Deputy Managing Director, ensures appropriate oversight and guidance.

NEWS

तंत्रज्ञान करणार देशाची सुरक्षा

लष्करप्रमुख जनरल मनोज पांडे यांची यादीवरील

पुणे : 'आगामी काळात सुरक्षा दलांसह विकसित तंत्रज्ञानांनी देशाची सुरक्षा कमील. जगप्रगत क्रांतिकारण क्रांतिकारण, ऑटोमॅटिझेशन इटेलिजन्स, नॅशनल लॉजिस्टिक्स, नॅवी टेक्नॉलॉजी, लॅसिंग फायर वी आरकेचे विकास केवळ भारत आहे. तंत्रज्ञानाचा वापर पंतिका वापर युद्धाप्रकारे करणारा तेल आहे. उद्योगा-युद्धाप्रकारे युद्धात हे वाडणूक घेतले आहे. यामुळे आगामी काळात तंत्रज्ञानचय वा पंतिकाचे दुर्लक्ष करणे भारतीय सुरक्षेला परवडणारे नसून, स्वसुरती आवश्यक संशोधन, विकसन सुरू करणारात आले आहे,' असे सांगून लष्करप्रमुख जनरल मनोज पांडे यांनी स्पष्ट केले.

दिधी येथील 'आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजी'च्या २९व्या

वर्षोपनिवेदनात बुधवारी आयोजित केलेल्या कार्यक्रमादरम्यान जनरल पांडे यांनी विद्यार्थ्यांशी संवाद साधला. या वेळी भारत फोर्सचे संस्थापक बाबासाहेब कल्याणी यांना पांडे यांच्या हस्ते जीवनचरित्र प्रदर्शनात गौरवण्यात आले. संस्थेचे अध्यक्ष मेजर जनरल टी. एस. बेन, संचालक डायरेक्टर अमर भट (मिर्ज) , मेजर जनरल आर. के. रेना या वेळी उपस्थित होते.

'अनेक देशांच्या सैन्यदलांनी युद्धात तंत्रज्ञानाचा वापर करणारा सुरक्षा केली आहे. त्यामुळे अशा कोणासाठी देश स्वयं-कडील विकसित तंत्रज्ञानाची माहिती इतर देशांना देण्यास तयार नाही. यशा वेळी भारताला बाहेरील तंत्रज्ञानावर अवलंबून राहून चालणारा नाही. लष्कराकडून शि्षण प्रणाली विकसित करण्यासाठी युवता केवळी लष्कराकडून स्पष्टच गिगाबाइट टोयक विकसित करण्याचे काम सुरू आहे,' अशी माहिती जनरल पांडे यांनी दिली.

लष्कर प्रमुख मनोज पांडे ; आर्टिफिशियल इंटेलिजन्स, ड्रोन तंत्रज्ञानाचा वापर आवश्यक

राष्ट्राच्या विकासासाठी नवीन तंत्रज्ञानाचा वापर गरजेचा

लोकमत न्यूज नेटवर्क
पुणे : सध्या नवीन तंत्रज्ञान मोठ्या प्रमाणात येत असून, त्याचा वापर संशोधन आणि विकासकार्यासाठी करणे गरजेचे आहे. टेक्नॉलॉजी प्रकाशे तंत्रज्ञान लष्करी युद्धात कामी येते. तंत्रज्ञान हे रूपा असून, त्यापसून कोणताच देश अजिब राहू शकत नाही. आर्टिफिशियल इंटेलिजन्स, अत्याधुनिक ड्रोन तंत्रज्ञान अशा प्रकारच्या विषयात आपण प्रगती करीत आहोत असे मत भारतीय लष्कराचे प्रमुख जनरल मनोज पांडे यांनी बुधवारी व्यक्त केले. दिधी येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या २९ व्या वर्षोपनिवेदनात आयोजित कार्यक्रमात ते बोलत होते. यावेळी अर्चना मनोज पांडे, उद्योजक बाबा कल्याणी, लष्कराच्या दक्षिण



मुख्यालयाचे मेजर जनरल टी. एस. बेन, मेजर जनरल आर. के. रेना, उद्योगातील संचालक डायरेक्टर अमर भट, आदी उपस्थित होते. यावेळी उद्योजक बाबा कल्याणी यांना उद्योगातील जीवने गौरव प्रसूकार देऊन सन्मानित करण्यात आले. जनरल मनोज पांडे म्हणाले, उद्योगातील गेल्या २९ वर्षांमध्ये संशोधन दालनात उभार अतिकारी दिले आहेत. संस्थेचे अनेक माजी विद्यार्थी

विद्यार्थी क्रीडा प्रसूकार राजशेखर कडक संगणक अभियांत्रिकीच्या अंतिम वर्षाची विद्यार्थिनी भावना निम्मागडू हिला, तर सर्वोत्कृष्ट इन्व्हेन्शन्ससाठी राजपूत रेजिमेंट टोपी माहिती तंत्रज्ञान विभागाच्या तुल्य वषांचा विद्यार्थी अभिनव प्रताप चोपान याला देण्यात आली. संगणक अभियांत्रिकी शाखेच्या अंशू गुता, इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकीच्या महेश भोसले, माहिती तंत्रज्ञान शाखेच्या कुणाल खाररा आणि मेकॅनिकल अभियांत्रिकीच्या हर्षवर्धन सिंग यांना त्यांच्या संशोधन शाखेत प्रथम स्थानासाठी, 'जिओसी-डन-सी' पारितोषिक देण्यात आले. सर्वोत्कृष्ट संशोधन व सर्वोत्कृष्ट शिक्षक प्रसूकार संगणक विभागाचे प्रा. डी. सागर राणे यांना प्रदान देण्यात आला.

पोखरण येथे घेतली शस्त्रांची चाचणी
'मेक इन इंडिया' अंतर्गत अग्नी लष्करी उत्पादने बनविली असून, नुकतेच पोखरण येथे त्याची चाचणी घेण्यात आली. परदेशातील प्रतिनिधींनीदेखील या शस्त्रांच्या गुणवत्तेची आणि क्षमतेची प्रशंसा केली आहे. मेक इन इंडिया आणि सरयत भारत योजना अन्वयेत्याप्री २५ वर्षे उरितारते होत आहे. अर्थव्यवस्था जगात वेगाने वाढत आहे. उद्योगांना सुविधा निर्मित होत आहे. जगाच्या तुलनेत महागाई आपण नवाविदित ठेवली आहे. 'भारत प्रथम' अंतर्गत जगातील देश भारताकडे आलेने पाहत आहे असे कल्याणी यांनी म्हटले.

PTI



राष्ट्राच्या सुरक्षेसाठी नवीन तंत्रज्ञानावर भर आवश्यक

पुणे : लष्करा सुरक्षेसाठी नवीन तंत्रज्ञान, ऑटोमॅटिझेशन व विकास वापर वा रूपात आणणे गरजेची तर आहे. अनेक तंत्रज्ञानावर आधारित विकास करणे भारताला गरजेचे आहे. तंत्रज्ञानाचा वापर पंतिका वापर युद्धाप्रकारे करणारा तेल आहे. उद्योगा-युद्धाप्रकारे युद्धात हे वाडणूक घेतले आहे. यामुळे आगामी काळात तंत्रज्ञानचय वा पंतिकाचे दुर्लक्ष करणे भारतीय सुरक्षेला परवडणारे नसून, स्वसुरती आवश्यक संशोधन, विकसन सुरू करणारात आले आहे,' असे सांगून लष्करप्रमुख जनरल मनोज पांडे यांनी स्पष्ट केले.



पुणेमध्ये आयोजित झालेल्या 'पॅथ टो प्रिड' विशेष प्रोग्राममध्ये लष्कराच्या विकासासाठी नवीन तंत्रज्ञानावर भर आवश्यक आहे. लष्कराच्या विकासासाठी नवीन तंत्रज्ञानावर भर आवश्यक आहे. लष्कराच्या विकासासाठी नवीन तंत्रज्ञानावर भर आवश्यक आहे.



Aero India 2023: BFL signs MoU with Paramount group

Bengaluru, Feb 16 (ANS) - Bharat Forge Ltd (BFL) and global aerospace and technology company, Paramount Group have signed a Memorandum of Understanding (MoU) for the development and production of Composite Rotor Blades, Mission Systems and Stores Management systems for Rotary Wing platforms in India. This design and manufacturing MoU shall support all future programmes for both India and across the globe.

Mr. Gura Biswal, CEO, Aerospace Division, Bharat Forge said, "This MoU with M.S. Paramount is a testimony of our commitment to work for an 'Atmanirbhar Bharat', to create technologies that are niche and shall support Indian and Global requirements. This collaboration will focus on creating the Centre of Excellence for design, development and manufacture of Composite Rotor

Blades, Mission Systems and Stores Management systems for Rotary Wing platforms in India. This design and manufacturing MoU shall support all future programmes for both India and across the globe.

Clifford Dewell, SVP, Mission Systems and Stores Management at Paramount Group said, "Our partnership with Bharat Forge has grown in strength to strength to strength the last few years. We excited to expand our collaboration into the aerospace sector. We have confidence that this initiative will leverage the unique synergies of our joint capabilities to meet the requirements for these systems for India and across the globe."

"Our experience has been developed over many years. Paramount has delivered Mission Systems and Stores Management systems to several programmes for both India and across the globe."

Its Ebitria maritime ward

100th surface-to-air missile kit rolled out

The Hindu Bureau HYDERABAD

Kalyani Rafael Advanced Systems (KRAS) on Tuesday announced the rolling out of its 100th Medium Range Surface to Air Missile (MRSAM) mid-section kit. The kit was delivered to the Indian Air Force.

The MRSAM kit is a collaborative effort of KRAS and the Defence Research and Development Organisation (DRDO).

CMD of Bharat Forge Ltd., Baba N. Kalyani expressed his intentions to



make the company a "missile house" that would produce modern weapons for the defence of India and also high-quality hardware for the Indian armed forces.

He expressed confidence that the industry would soon surpass the target of achieving \$5 bn in defence exports by 2025.

Speakers said that Yes-

day's development and collaborative efforts between Indian and Israeli companies affirm the commitment to indigenisation and Prime Minister Narendra Modi's vision of Atmanirbhar Bharat.

Distinguished scientist B.H.V.S. Narayana Murthy congratulated KRAS and said that given the significant milestone, a speeding up of deliveries to the armed forces is required and expressed confidence that given the available infrastructure, that too would be achieved.

Bharat Forge, HAL ink pact for grade steel alloys

STATE-OWNED HAL and Bharat Forge have signed an agreement for development and production of aerospace grade steel alloys. The memorandum of understanding (MoU) was signed at the ongoing Aero India show in Bengaluru on Thursday.

Bharat Forge to buy Indo Shell Mould arm

MICHAEL GONSALVES PUNE, JAN. 2

Bharat Forge, the Pune-based auto components major, on Monday said its step-down subsidiary JS Auto Cast Foundry India will acquire the SEZ unit of Indo Shell Mould located at SIPCOT, Erode in Tamil Nadu for an undisclosed sum.

JS Auto Cast Foundry India has entered into a business transfer agreement with Indo Shell Mould Ltd for the purpose, Bharat Forge said in a statement. "This acquisition strengthens JS Auto's presence in the castings sector, expands the product offering and client base, and enhances its footprint in the Indian industry," it added.

The SEZ unit with a capacity of 42,000 million tonnes per annum, supplies fully machined critical castings to marquee customers in the automotive industry and will operate as the third manufacturing unit of JS Auto, taking its total capacity to 1,42,000 MTPA, it said.

DEFENCE COMPANIES GAIN

Company	Current Price	Change
BEL	96.65 / 2.00	+2.11%
Bharat Forge	854.00 / 18.30	+2.19%
BHEL	72.95 / 1.20	+1.67%
Bharat Dynamics	879.70 / 79.60	+9.95%



BHARAT FORGE



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