

MONTHLY NEWSLETTER

February, 2024



Current Affairs
of The Industry

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Marking Moments

Current Affairs Of The Industry

India's Orbital Horizon: Sriharikota & Kulasekarapattinam Ventures

The head of the Indian Space Research Organisation (ISRO), S. Somanath, has stated that within two years, the new spaceport at Kulasekarapattinam will be ready for operations, focusing specifically on the launch of small satellites. This announcement followed the groundbreaking ceremony officiated by Prime Minister Narendra Modi for the Kulasekarapattinam spaceport on Wednesday, February 28, '24. In an informal discussion with the press, Somanath expressed that the completion of ISRO's second launch facility is anticipated to take around two years. Spanning over

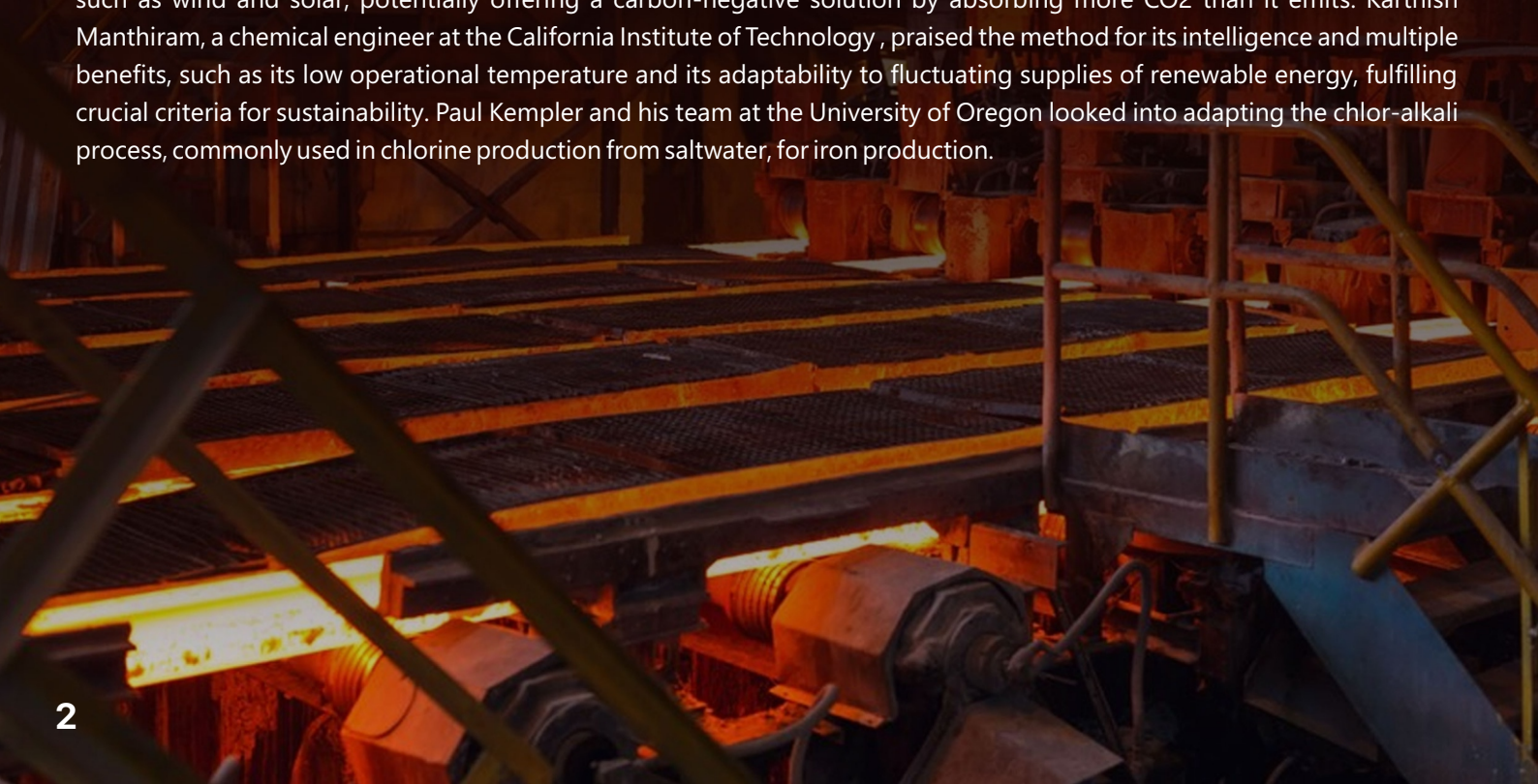
2,233 acres, the establishment of the new spaceport aims to catalyze economic and developmental progress in the Thoothukudi district and will serve as a complementary facility to the existing one in Sriharikota. The project, which marks a significant milestone in India's space exploration journey, is being backed with an investment of Rs 950 crore. The purpose behind creating this facility is to cater to the launch of Small Satellite Launch Vehicles (SSLVs) that are intended for the deployment of small satellites into their intended orbits. It is also projected that this spaceport will have the capacity to handle as many as 24 satellite launches annually. Furthermore, Somanath highlighted that the initiation of the spaceport's construction was marked by the launch of the Rohini Sounding Rocket from a mobile platform on February 28, a launch expected to reach a height of up to 60 kilometers.



Electrifying Iron: A Sustainable Shift in Steel Production

The production of iron, which is a critical component of steel, significantly impacts the environment, contributing to 8% of the worldwide emissions of greenhouse gases. However, researchers have developed an innovative method to render this process more environmentally friendly. Their technique involves the electrochemical conversion of iron ore and saline water into iron metal and other valuable chemicals, as reported in a recent issue of *Joule*.

This method not only proves to be cost-effective but is also compatible with electricity generated from renewable sources such as wind and solar, potentially offering a carbon-negative solution by absorbing more CO₂ than it emits. Karthish Manthiram, a chemical engineer at the California Institute of Technology, praised the method for its intelligence and multiple benefits, such as its low operational temperature and its adaptability to fluctuating supplies of renewable energy, fulfilling crucial criteria for sustainability. Paul Kempler and his team at the University of Oregon looked into adapting the chlor-alkali process, commonly used in chlorine production from saltwater, for iron production.



A Peek Into Our Activities from February...

SUPPLIER CHAIN TRAINING ON LUBRICATION

Last month, we took another giant leap in empowering our community. We delved deep into the core of efficiency and longevity in machinery with an exclusive Supplier Chain Training on Lubrication.

Why Lubrication, you ask? Because mastery over this seemingly simple aspect can be the linchpin in elevating your operations from good to exceptional. Our immersive session wasn't just a training; it was a revelation, unveiling the intricacies of lubrication that many overlook. Our commitment goes beyond supplying; it's about uplifting every stakeholder in our ecosystem through knowledge and innovation.



BAFTER, MOKVELD & EVLVETEN TECHNOLOGY CUSTOMER VISITS

Last month at VINIR Engineering, we marked a milestone with unforgettable customer engagement sessions. Our facility was graced by the prestigious team from BATER, Mokveld & Evlveten. These visits were a testament to our commitment to delivering excellence and fostering strong partnerships. Aimed at tightening our longstanding relationship, the visits paved the way for strategic dialogue and exchange of industry insights. Together, we are charting a course towards leveraging advanced forging technologies that promise to redefine industry standards and contribute to mutual growth.

RENK GEARS CUSTOMER AUDIT

Spearheading this significant audit were Mr. Fuchs Christian and Mr. Natarajan, whose expertise and vision set the stage for a momentous evaluation. Their leadership exemplified our dedication to surpassing the highest standards in the forging industry. It underscored our capabilities to meet the stringent demands of global leaders in engineering solutions.



IRIS CONSULTANT VISIT

The distinguished IRIS Consultant, Mr. Sridharan, graced our premises, offering a rare glimpse into the evolving landscape of the forging industry. This pivotal encounter has laid the groundwork for us to bolster our commitment to quality, efficiency, and, most importantly, customer satisfaction.

GTN AND FMC CUSTOMER AUDIT

We are thrilled to announce the successful completion of the rigorous GIN & FMC CUSTOMER AUDIT. This distinguished accomplishment not only accentuates our dedication to maintaining the highest industry standards but also redefines our prowess in delivering nothing short of perfection.

OKK MCV 1260 VMC MACHINE POOJA

In a landmark moment last month, the Vinir Engineering family embraced innovation by inaugurating the state-of-the-art OKK MCV 1260 VMC Machine with a traditional and auspicious Pooja ceremony. This addition isn't just machinery; it's our pledge towards unparalleled quality and precision in the forging landscape.



YOGA SESSION

Our dedication to holistic well-being leads us to organize yoga sessions every now and then, a refreshing pause from our daily endeavors to forge not just metal, but stronger bonds and healthier lifestyles.



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