OF LATE, COMPUTER TECHNOLOGY HAS PENETRATED INTO MANY FIELDS AND INDUSTRIES AND HAS WIDESPREAD USAGE THE WORLD OVER. AMONG OTHERS, SHIP BUILDING AND DESIGNING IS AN IMPORTANT FIELD WHERE ITS APPLICATION IS ON THE RISE. REVEALING THIS AND OTHER DETAILS OF FORAN, THE SOFTWARE APPLICATION, ROBERT HEXTER, AREA SALES MANAGER, SENER INGENIERIA Y SISTEMAS OF SPAIN AT A PRESS MEET IN MUMBAI, POINTED OUT THAT FORAN– V60 IS TODAY “THE BEST SHIPBUILDING CAD/CAM/CAE SOLUTION, A COMPLETE AND INTEGRATED SYSTEM FOR SHIP DESIGN AND PRODUCTION”. AS A TOOL TO DESIGN SHIPS, FORAN IS ALREADY IN USE IN AS MANY AS 26 COUNTRIES, INCLUDING INDIA, ACROSS THE GLOBE.

FORAN SYSTEM IS DEDICATED TO SHIPBUILDING, AND THE PHILOSOPHY OF SHIPBUILDING IS INHERENT IN THE SYSTEM. SENER IS NOT JUST A SOFTWARE HOUSE, BUT AND ENGINEERING FIRM WITH VARIOUS VERTICALS. INHOUSE SHIP DESIGN ACTIVITIES, THE CORE BUSINESS OF SENER, HAS ALWAYS BEEN ADDING VALUE TO FORAN BY PROVIDING INPUTS FROM THE REAL SHIP DESIGNERS. SENER’S MARKETING ARM IN INDIA, VEDAM DESIGN & TECHNICAL CONSULTANCY’S CEO, AKSHAY JAIN, WHO ALSO SPOKE ON THE OCCASION, OPINED THAT THE PARTNERSHIP WOULD BE BENEFICIAL FOR FORAN. HE IS CONFIDENT THAT VEDAM, BEING A USER OF FORAN, CAN PROVIDE EXCELLENT LOCAL SUPPORT AND TECHNICAL ASSISTANCE TO THE FORAN CUSTOMERS IN INDIA. ALREADY, THE INDIA’S LARGEST PRIVATE SHIPBUILDING FIRM, ABG SHIYARD IN SURAT AND NATIONAL SHIP DESIGN & RESEARCH CENTRE IN VISHAKAPATANAM ARE USING FORAN SOFTWARE FOR SHIP DESIGNING. EVEN SOME PUBLIC SECTOR UNDERTAKINGS AND OTHER UPCOMING SHIYARDS HAVE SHOWN GREAT INTEREST IN FORAN SOFTWARE, HE ADDED.

IN THE PRESENT HIGHLY COMPETITIVE WORLD, HEXTER ADDED THAT SHIP BUILDING IS CONDITIONED BY COMPLEX SHIP DESIGNS, DEMANDING CUSTOMERS AND FINANCIAL PRESSURES. THE INDUSTRY IS ALWAYS LOOKING AT INNOVATIVE WAYS TO EFFICIENTLY DESIGN PROFITABLE VESSELS WITH NO MARGIN FOR ERROR. INBUILT SECURITY FEATURES, SINGLE DATABASE, DIRECT LINK TO PRODUCTIONS FACILITIES, ETC ALLOW FORAN TO BE USED AS A COLLABORATIVE DESIGN TOOL AT MULTISITE ENVIRONMENT.

CITING THE ADVANTAGES OF USING FORAN SYSTEM, HEXTER STATED THAT IT 'HAS AN EXTREMELY FRIENDLY GUI AND HAS A SHIP BUILDING – SPECIFIC APPROACH.' “SHIP DESIGNERS CAN EASILY LEARN, IMPLEMENT AND OPERATE WITH MINIMUM IT SUPPORT”, HE ADDED. SINCE MID-1960S, SENER ITSELF HAS DESIGNED MORE THAN THOUSAND SHIPS ACROSS THE GLOBE USING THE SHIP DESIGN OF FORAN.

ALL FORAN–RELATED SERVICES ARE BACKED BY CUSTOMER SUPPORT GROUP, WHICH IS STAFFED BY A TEAM OF DEDICATED ENGINEERS, WHO HAVE WIDE EXPERIENCE AND EXPERTISE IN BOTH SHIP DESIGN AND SYSTEM OPERATION. AFTER INSTALLATION, SENER OFFERS OPTIONAL TECHNICAL ASSISTANCE DURING THE START–UP PERIOD AT THE CUSTOMER PREMISES OR EVEN REMOTELY, ACCORDING TO THE REQUIREMENTS OF EACH SHIYARD. BEIDES SENER, PROVIDES A WIDE RANGE OF TRAINING COURSES, BOTH INDIVIDUALS AND COMPANIES, FOR THE EFFICIENT USE OF FORAN SOFTWARE.
FORAN – V60, Best Shipbuilding CAD/CAM/CAE Solution
An Integrated System for Ship Design/Production

Of late, computer technology has penetrated into many fields and industries and has widespread usage the world over. Among others, ship building and designing is an important field where its application is on the rise. Revealing this and other details of Foran, the software application, Robert Hexter, Area Sales Manager, Sener Ingeniería y Sistemas of Spain at a Press Meet in Mumbai, pointed out that FORAN– V60 is today “the best shipbuilding CAD/CAM/CAE solution, a complete and integrated system for ship design and production”. As a tool to design ships, Foran is already in use in as many as 26 countries, including India, across the globe.

FORAN system is dedicated to shipbuilding, and the philosophy of shipbuilding is inherent in the system. Sener is not just a software house, but an engineering firm with various verticals. Inhouse ship design activities, the core business of SENER, has always been adding value to FORAN by providing inputs from the real ship designers. Sener’s marketing arm in India, Vedam Design & Technical Consultancy’s CEO, Akshay Jain, who also spoke on the occasion, opined that the partnership would be beneficial for FORAN. He is confident that Vedam, being a user of FORAN, can provide excellent local support and technical assistance to the FORAN customers in India. Already, the India’s largest private shipbuilding firm, ABG Shipyard in Surat and National Ship Design & Research Centre in Vishakapatnam are using Foran software for ship designing. Even some public sector undertakings and other upcoming shipyards have shown great interest in Foran software, he added.

In the present highly competitive world, Hexter added that ship building is conditioned by complex ship designs, demanding customers and financial pressures. The industry is always looking at innovative ways to efficiently design profitable vessels with no margin for error. Inbuilt security features, single database, direct link to productions facilities, etc allow FORAN to be used as a collaborative design tool at multisite environment.

Citing the advantages of using Foran System, Hexter stated that it 'has an extremely friendly GUI and has a ship building – specific approach.' “Ship designers can easily learn, implement and operate with minimum IT support”, he added. Since mid–1960s, Sener itself has designed more than thousand ships across the globe using the ship design of Foran.

All FORAN – related services are backed by Customer Support Group, which is staffed by a team of dedicated engineers, who have wide experience and expertise in both ship design and system operation. After installation, Sener offers optional technical assistance during the start-up period at the customer premises or even remotely, according to the requirements of each shipyard. Besides Sener, provides a wide range of training courses, both individuals and companies, for the efficient use of Foran software.
FORAN – V60, Best Shipbuilding CAD/CAM/CAE Solution
An Integrated System for Ship Design/Production

Foran solutions are being increasingly used in the ship building industry for Hull forms generation, Hull structure, naval architecture, Outfitting, Electrical etc. It features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for organizing custom-need, highly accurate production and fabrication information. According to Hexter, Foran system includes tools for the seamless generation of 2D drawings associated with the 3D product model. The Foran design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different ship components in an immersive experience.

Hexter further added that Foran software could be used in different types of ships – cargo vessels, passenger ferries, naval vessels, offshore, submarines, frigates, aircraft carriers, etc. He mentioned that his firm has over 100 clients spread over different countries. Some of the major countries where the software is used are Argentina, Brazil, Bulgaria, China, Finland, Germany, India, Italy, Iran, Japan, Malaysia, Norway, Russia, Spain, Singapore, UK, UAE and USA. And, the prestigious clients include Aker Yards (18 shipyards in 8 countries), Navantia (Spain), Imabari & Oshima Shipbuilding Co. (Japan), United Force Corporation, Beijing and Shanghai (China), BAE System (UK).

Sener, is a private engineering and consultancy firm set up way back in 1956, and employs some 1,800 people. It is a multi-branch engineering concern covering a broad range of technologies including aerospace, civil engineering, communications, control and actuation, environment, power, transportation and marine engineering. Sener activity is characterized by the adoption of state-of-the-art technology to provide customers with innovative solutions. In the marine field, particularly, Sener has provided professional services to shipbuilders, designers, owners, operators and regulatory bodies for some 50 years. It is in this area that it has made its most internationally acclaimed contribution: the FORAN System.

As for Vedam, it is a major consultancy company founded by Akshay Jain, a naval architect with vast ship building experience in countries in the Far East, Middle East & Europe. The firm has a strong backing of promoters in the marine industry and provides design solutions to shipyards and ship-owners, which includes basic design, detailed design, ship conversion, shipyard design and New building & repair supervision. It derives its strength from the understanding of practical shipbuilding and implementing the same in the designs.
Foran software relaunched in India

SENER Ingeniería Sistemas of Spain has re-launched a completely empowered version of its popular shipbuilding CAD/CAM/CAE solutions, Foran-V60 in Mumbai last week.

For marketing the product in India, the company has tied with Vedam Design & Technical Consultancy, a Mumbai-based company that provides design solutions to shipyards and shipowners. According to Vedam CEO Akshay Jain, the software's inbuilt security features, single database, direct link to production facilities, etc. allow Foran to be used as a collaborative design tool at multisite environment.
SEAFARERS Join the Flag March in Chennai

Chennai Seafarers will march in support of Hebei Spirit Officers

The Merchant Navy Officers Association (Madras), has organised a peaceful FLAG MARCH, from 0730 to 0830 hours, on Sunday the 5th of October 2008, right in the heart of Chennai city.

With due permission from the Commissioner of Police, this peaceful protest is against the detaining of two innocent Indian Mariners in South Korea.

Chancellor, Vel University, Chennai, said: “It is time for all Mariners to show our solidarity for a common cause - to free our compatriots from detention in South Korea. Kindly join us in this common cause.”

It added, “We request all Mariners across the country to hold similar Flag Marches in their own towns to strengthen our hand in securing the release of Capt. Jaspreet Chawla, and Chief Officer Syam Chetan.”

ACTION STATIONS

DATE OF FLAG MARCH: Sunday 5th Oct 2008
TIME OF FLAG MARCH: 0730 To 0830 Hours
STARTING POINT: Munro’s Statue on Anna Salai (Mount Road)
ROUTE: Moving Southwest on Mount Road Past Kamaraj Statue, Then Periyar Statue, then Turn Left at Anna Salai on to Waialaj Road
TERMINATING POINT: State Guest House on Waialaj Road
TOTAL DISTANCE: About 5 Kilometres
LADIES AND CHILDREN: Permitted
BANNERS: Permitted

CONTACT
Capt. K. Vivekanand
President, Merchant Navy Officers Association (Madras)
Tel: 91-44 22662515 | Dir: 22662512, 22662514
Mobile: 91 9840048011 Fax: 91 44 22662516
Email: capt.kvivekanand.com

SEAFARING:

Yesterday, Today & Tomorrow

D-G Shipping announces extension of CDC replacement deadline

MERI’s annual technical competition emphasises environmental safety

Shipbuilding software FORAN V60 expands presence in India

Another FIRST from OCEANS XV

‘Beyond token criminals and scapegoats’

Pirates shoot comrades on hijacked Faina?

Salt Shaker

Paper Boats in the Air
Shipbuilding software
FORAN V60
expands presence in India

(Mumbai 23 September)

Computer technology has penetrated into many fields and industries; shipping is no exception. Amongst other areas, shipbuilding and designing is an important field where its application is on the rise.

Revealing this and other details of the software application, FORAN, at a Press Meet in Mumbai, Robert Hexter, Area Sales Manager, Senar Ingeniería y Sistemas de España, pointed out that FORAN V60 is today “...the best shipbuilding CAD/CAM/CAE solution, a complete and integrated system for ship design and production”.

As a tool to design ships, FORAN is already in use in as many as 26 countries across the globe, including in India. The FORAN model. The FORAN design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different ship components in an immersive experience.

transportation and marine engineering.

Senar’s activities are characterised by the adoption of state-of-the-art technology that provides customers with innovative
High speed document processing soon

Joe Fonseca - Mumbai

Frequent computer breakdowns at various ports, ICDs, CFSs and airports, delays in the processing documents and increasingly longer response time for filing of shipping bills and bills of entry have been soar. Trucks getting detained for more than a day at container freight stations because the required duplicate and triplicate copies of bills of entry are not being generated quickly enough has become the order of the day. But 'history' according to Customs authorities.

Indian customs are set to shortly bring in a sea change in the on-line processing of documents. There will be an overhaul of the present system by the consolidation of...
CLOSE ENCOUNTER

Robert Hexter, Sener Area Manager & Akshay Jain, CEO, Vedam Design & Technical Consultancy Pvt. Ltd.

Exclusive interview with Robert Hexter, Sener Area Manager & Akshay Jain, CEO, Vedam Design & Technical Consultancy Pvt. Ltd. during their recent meeting with Shipping Today. Excerpts:-

Q) Tell us how Sener came into being?

Robert Hexter: I worked in a family company a Spanish company, which started off in 1956 as a ship designing company creating ship designs for its own internal use. At that time computers started to become commercially employed. So the company began to

advantages and strengths of FORAN?

Robert Hexter: FORAN is a software which has different modules. It can do ship designing encompassing every aspect including structures, machinery, electrical, etc. So this software covers initial designs, stability, hull modelling, etc. An important feature of FORAN is that the kind of output which can be generated proves very helpful for the production plan. This is because for ship building to grow production has to be mechanised. The output which is generated from FORAN can very easily be used to improvise and reduce the man hours in the

Robert Hexter: Sener as I mentioned are ship designers. So we know what we are talking about and we can help the customers in all aspects. We have the latest technology possible. Five years ago we reprogrammed the whole system to make it completely new taking into account all the possibilities, future technological improvements and all the anticipated possibilities in the changes in the software and hardware.

We have 60 people working constantly developing and introducing the advances necessary to meet the demands of the ship building industry. We also get most of the ideas coming from our
Tax hits Apr-Jul steel exports

Our Bureau
New Delhi, Aug 26: Steel exports fell 25 pc to 2.75 million tonnes in the first four months of the fiscal year that began in April after the government imposed a tax on overseas sales in May, sources said on Tuesday. Imports rose 20 pc to 3.5 million tonnes between April and July, a report said, quoting Steel Secretary P.K. Rastogi. Higher imports have raised availability in the domestic market by about 1.5 million tonnes, the report said.
India exported 5 million tonnes (Contd. on Pg 4)

Baltic index posts 4th straight decline

Our Bureau
London, Aug 26: The Baltic Dry Index, posted a fourth consecutive decline on Aug 22 as vessel queues eased, boosting the number of ships available for hire. The index tracking transport costs on international trade routes fell 43 points, or 0.6 pc, to 7,147 points, according to the Baltic Exchange in London. That’s a 5 pc weekly decline. All vessel classes retreated and rates for panamax to haul grains fell to the lowest since Feb 8.
‘A lot of improvements are on the east coast of Australia, at the coal ports,’ Chris Tomlinson, a London-based analyst at Thurlestone Shipping Ltd, said. There’s still scope for optimism from China and iron ore demand. China may need ‘every ton’ of the (Contd. on Pg 4)

Steamer agents’ contributes for infra upgrade

Our Bureau
Kochi, Aug 26: Cochin Steamer Agents Association has contributed Rs 25 lakh to Cochin Port in support of the public infrastructure modernisation drive being undertaken by the port for facilitating the first Indian stopover of Volvo Ocean Race, schedule to

(Contd. on Pg 4)
Our Bureau
Mumbai, Aug 26: The Indian logistics industry is expected to grow annually at 15-20 pc, reaching revenues of approximately $385 billion by 2015, according to real estate services firm Cushman & Wakefield’s report, ‘Logistics Industry – Real Estate’s New Powerhouse’. The market share of organised logistics players is also expected to double to approximately 12 pc in the same period. Mumbai is the ‘preferred location’ for the development of logistics parks with an investment of approximately $200 million planned towards the development of seven to eight logistics parks on about 600 acres around Mumbai.

The report says that 110 logistics parks, spread over approximately 3,500 acres at an estimated cost of $1 billion, are expected to be operational, and about 46 million sq ft of warehousing space at $500-million investment to be provided by 2012.

Mr Sanjay Dutt, Jr. MD, Cushman & Wakefield India, says that almost one-third of the total realty development in the sector is expected to take place in emerging locations. “Many tier-2 and tier-3 cities and peripheral locations that offer good connectivity to multiple markets will witness increased activity from logistics players, providing a thrust to the real estate market.”

Established locations include Kolkata, Chennai and Hyderabad, besides Mumbai. Good port, rail and road connectivity, significant investment in infrastructure, high concentration of organised retail, established manufacturing hubs, and proposed SEZ developments make these cities attractive.

Proximity to textile and automotive component industry clusters and other manufacturing units has made Kolkata a major economic centre. Ten SEZs near Kolkata have received in-principle approvals, and there are plans for four logistics parks spread across approximately 400 acres. Hyderabad would see five logistics parks, over 220 acres, being developed and about 10 million sq ft of warehouse space coming up by 2012. Chennai is also emerging as a passenger-car export hub. Various manufacturing clusters focusing on textile, engineering goods and automobile components are also present near Chennai. Six logistics parks, spread across 240 acres, are being developed in this region and three Free Trade Warehouse Zones, spread over 900 acres, are awaiting formal approval.

Heightened manufacturing activities and proposed SEZs increase the potential of Bangalore, Indore, Alwar, Jamshedpur, Ahmedabad and Ambala being developed as logistics hubs. However, these locations do not rate ours as far as organizing and modernizing this sector is concerned, the report says. Granting an industry status to the logistics and warehousing sector, efficient implementation of infrastructure projects, simplification of the regulatory structure and availability of skilled manpower are critical to the growth of the Indian logistics industry, it adds.

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Our Bureau
Mumbai, Aug 26: IT technology in ship building and designing is an important field where its application is on the rise. Revealing this and other details of Foran, the software application, Robert Hexter, Area Sales Manager, Sener Ingenieria y Sistemas de Velas, pointed out that Foran V60 is today “the best shipbuilding CAD/CAM/CAE solution, a complete and integrated system for ship design and production”. FORAN system is dedicated to shipbuilding, and the philosophy of shipbuilding is inherent in the system. Inhouse ship design activities, the core business of Sener, has always been adding value to the system by providing inputs from the real ship designers.

Sener’s marketing arm in India, Vedam Design & Technical Consultancy’s CEO, Akshay Jain opined that the partnership would be beneficial for Foran.

Hexter added that shipbuilding is conditioned by complex ship designs, demanding industry experts and financial resources. Citing the advantages of using Foran System, Hexter stated that it has an extremely friendly GUI forms generation, Hull structure, naval architecture, outfitting, Electrical etc. It features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for organizing custom need, highly accurate production and fabrication information.

According to Hexter, Foran system includes tools for the seamless generation of 2D drawings associated with the 3D product model. The Foran design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different ship components in an immersive experience. Hexter further added that Foran software could be used in different types of ships – cargo vessels.
BCHAA elects new Office Bearers
New Chief Omprakash Agrawal and his team confident with their new tenure

Mumbai: The 23rd Annual General Meeting of Bombay Custom House Agents Association held on September 20, 2008 where the members elected new office bearers for the term 2008-10. Shri Omprakash Agrawal has taken over charge from his predecessor Shri R Radhakrishnan as President.

Industry’s Glamorous gathering at BCHAA Trade Meet at Taj President on pg 4-5

Newly elected BCHAA President Shri Omprakash Agrawal giving his speech. Shri Pankaj Shah, Shri George Joseph, Shri R Radhakrishnan, Shri Rajiv Desai, Shri Nailesh Gandhi and Shri Ashish Pednekar looks on the dates.

PD Ports establishes itself with crucial Indian shipping market

MUMBAI: In late September, North East based ports owner and operator, PD Ports will continue with an awareness raising campaign to help further develop the port’s deep sea container business coming from the Far East during a visit to Mumbai, India.

The emphasis of the trip is to establish PD Ports amongst the important Indian shipping market and raise the profile of the Northern Gateway Container Terminal development. This week long visit by the port’s senior managers will also provide a platform for PD Ports to establish new links with the local Indian media and trade press.

... Refer pg 20

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- Accepting hazardous cargo
PD Ports establishes itself with crucial Indian shipping market

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India is one of the global leaders in the shipping industry and is a key player in the world economy. Approximately, 95 per cent of the country’s trade by volume (70 per cent in terms of value) is moved by sea. It is that traffic from India that is destined for the retailers and consumers of Northern Britain that PD Ports wants to attract at Teesport.

Following the port’s successful launch events in Malaysia, Thailand and Vietnam earlier in the year, a further awareness raising event will be held for the shipping fraternity in Mumbai. This will include the official signing of an agreement appointing Faredaeld Shipping Agencies (Mumbai) Pvt. Ltd as their Indian representative to act on PD Ports’ behalf and raise the port’s profile in the Indian shipping market.

PD Ports will conclude its trip exhibiting at the Indian Shipping and Logistics Expo in Mumbai on 25th and 26th September.

No slowdown in industrial activity: CMIE

MUMBAI: A leading economic think-tank has said that industrial activity in the country would not slow down despite the monthly Index of Industrial Production (IIP) for manufacturing slipping to 5.6 per cent.

"We believe that industrial growth is not appropriately captured by the IIP numbers and there is no real slowdown in industrial activity," the Centre for Monitoring Indian Economy (CMIE) said in its latest report.

IIP has depicted a deceleration in the growth of the manufacturing sector to 5.6 per cent for the June 2008 quarter. Financial results of 2,144 listed manufacturing companies have shown a 33.9 per cent rise in aggregate net sales in the June 2008 quarter, the report said.

"After deflating the sales growth by the WPI inflation numbers, we get a real growth of 22.6 per cent in the sales in the manufacturing sector which is much higher than the 5.6 per cent growth in production depicted by the IIP in the June 2008 quarter," the CMIE said.

Considering the large sample of companies for which sales data is available and the wide difference in the growth numbers of their real sales and the corresponding IIP, "we conclude that the current industrial growth depicted by the IIP is a gross underestimate," it said.

Cochin Shipyard floats three platform supply ships

Kochi: Cochin Shipyard Ltd on Tuesday launched more than one ship at a time, which comprises three platform supply vessels.

The company had earlier launched two platform Supply vessels in June. One of these vessels floated today was BY-63, the eighth ship being built for Deep Sea Supply, Norway. The other two vessels are for Hellespont Steamship Corporation, Greece. All three ships are of Rolls Royce 755 design.

These ships are highly sophisticated and fitted with dynamic positioning systems, which enable vessels to automatically maintain their position at sea accurately. These vessels are workhorses of the offshore industry. All three ships are equipped with special equipment. It can combat oil fires in offshore installations.

The float was conducted at a function with the port being flooded at the press of a button Mr C.K. Thomas, Executive Director of CSL, Mr N.M. Paramesh, Director (Finance), and Cmde K. Subramaniam, Director (Operations), were also present.

April-Aug spices export jumps by over 12%

NEW DELHI: India's spices exports surged by 12.62 per cent to 2.23 lakh tonnes in the first five months of FY'09 in comparison with 1.98 lakh tonnes last year in the period under review mainly driven by cumin, vanilla and other value-added spice products, the Spice Board said.

However, the set back was seen in pepper exports which plunged sharply by 27.97 per cent to 11,250 tonnes.

"Impressive growth in export of cumin, vanilla and value-added spices has pushed up the country's total exports both in volumes and values terms by about 12 and 16 per cent respectively," a senior official at Spices Board told PTI.

In value terms, exports rose by 16.16 per cent at Rs 2,265.25 crore against Rs 1,950.09 crore in the review period, he added. Sharp jump was witnessed in cumin (jeera), which rose more than two-fold at 21,250 tonnes during April-August of the current fiscal, the Board official said.

Cardamom exports also increased marginally to 175 tonnes from 165 tonnes. The Board has achieved 52 per cent of total export target of 4.25 lakh tonnes set for the entire 2008-09 fiscal. Of 52 items, India exports largely about 28 spices and value-added products to countries such as the US, the UK, Europe, Germany and East Asian nations.

Crude oil to hover at $115 by end of current fiscal: Assocham

NEW DELHI: Crude oil prices which are currently hovering around $100 a barrel are expected to cross $115 by the end of current fiscal, according to industry chamber Assocham. The slowdown in US economy has begun to affect oil prices, especially developing ones in terms of reducing their industrial
Air fares may travel north during festive season

NEW DELHI: Air travel may get a tad more expensive during the coming festive season with at least one major carrier thinking of raising fares, but the hike is expected to be only in single digit in percentage terms.

“We are looking at raising the fares during the festive season. No concrete decision has been taken yet. But the increase will not be very high because of competition. It will not be in double digit,” Jet Airways CEO, Mr. Wolfgang Prock-Schauer told reporters. He said Jet Airways would be raising up to Rs 800 million from the market in the next two years.

“The airline hopes to come out of the red by the fiscal ending March 2010. We will break even or post profits by March 2010,” he said.

On Jet’s participation in MRO facility, he said: “We are still evaluating the option, I cannot confirm this now.” When asked about its plans to start a dedicated cargo airline, he said: “Right now, we are focused on executing our international and domestic expansion programmes. In the next two months, we will get two Airbus A-330s wide-body aircraft.” He said: “We will launch flights to Saudi Arabia and add more flights to Dubai and Hong Kong.”

Airlines to collect fee at time of issuing tickets, says DGCA

MUMBAI: Adding to the existing woes of bleeding air-carriers, the Directorate General of Civil Aviation (DGCA) has ruled that airlines should collect the User Development Fee (UDF) at the time of issuing tickets and subsequently remit the same to the air port operators.

The move, with immediate effect, is aimed at saving passengers the inconvenience of paying UDF separately at the two greenfield airports, Hyderabad and Bangalore, and also to ensure a smooth and orderly air transport/airport operations, a DGCA circular on Aeronautical Information Services issued recently said.

The practice was in line with the system/procedure in vogue, with respect to the collection of Passenger Service Fee (PSF), it said. The levy of PSF as per rule 88 of the Aircraft Rules 1937 is collected from passengers by airlines, which then remit the same to the airport operator at a collection charge of Rs 5 per passenger, the DGCA said.

The Government has approved on an ad-hoc basis Rs 1,200 per passenger as UDF for the international departing passengers from Hyderabad International Airport and Rs 1,070 for Bangalore International Airport.

For the domestic outbound passenger from the Hyderabad International Airport, the Government has approved on an ad-hoc basis Rs 750 per passenger as UDF.

Akriti eyes bus terminals, warehouses

MUMBAI: REAL estate firm Akriti City has identified some alternative growth spots. It has formalised JV’s with the Gujarat government and the National Commodity and Derivatives Exchange of India (NCDEX) to redevlop public bus terminals and warehousing facilities, respectively.

While bus terminals will be converted into bus stations-cum-commercial and retail hubs, the company plans to set up 17 warehousing facilities for NCDEX across the country. On Akriti’s JV with NCDEX, its MD Mr. Vimal Shah said: “Warehousing is one of the new growth areas we have identified. The JV with NCDEX envisages development of 17 warehousing facilities for the commodity exchange at various locations in the country. We will develop and manage these facilities for NCDEX.”

FORAN -V60, Best Shipbuilding CAD/CAM/CAE Solution...an Integrated System for Ship Design/Production

Mumbai: Of late, computer technology has penetrated into many fields and industries and has widespread usage across the world. Among others, ship building and designing is an important field where its application is on the rise. Revealing this and other details of FORAN, the software application, Robert Hexter, Area Sales Manager, Seren Ingenieria y Sistemas, at a Press Meet in Mumbai, pointed out that FORAN-V60 is today “the best shipbuilding CAD/CAM/CAE solution, a complete and integrated system for ship design and production”. As a tool to design ships, FORAN is already in use in as many as 26 countries, including India, across the globe.

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In the present highly competitive world, Hexter added that ship building is conditioned by complex ship designs, demanding customers and financial pressures. The industry is always looking at innovative ways to efficiently design profitable vessels with no margin for error. Inbuilt security features, single database, direct link to productions facilities, allow FORAN to be used as a collaborative design tool as well as a seamless software system for efficient design and production of vessels.”
River-sea shipping gets a shot in the arm

- IMC to prepare roadmap for integrating logistics in Western India
- TMI celebrates 7th Graduation Ceremony
- A report on Passing Out ceremony at CSSM

For Towing & Tug Enquiries Please Contact

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'FORAN-V60 is the best shipbuilding CAD/CAM/CAE solution'

"Of late, computer technology has penetrated into many fields and industries, and has widespread usage round the globe. Among others, ship building and designing are important fields, where the software applications are on the rise."

Revealing this and other details of FORAN, the software application, Mr Robert Hexter, Area Sales Manager, Sener Ingenieria y Sistemas of Spain at a press meet in Mumbai on August 21, 2008, pointed out that FORAN-V60 is today "the best shipbuilding CAD/CAM/CAE solution, a complete and integrated system for ship design and production". As a tool to design ships, FORAN is already in use in as many as 26 countries, including India, across the globe.

He added, "FORAN system is dedicated to shipbuilding, and the philosophy of shipbuilding is inherent in the system. Sener is not just a software house, but an engineering firm with various verticals. In-house ship design activities - the core business of Sener has always been adding value to FORAN by providing inputs from the real ship designers."

Sener's marketing arm in India, Vedam Design & Technical Consultancy's CEO, Mr Akshay Jain, who also spoke on the occasion, admitted that the partnership would be beneficial for FORAN. He is confident that Vedam, being a user of FORAN, can provide excellent local support and technical assistance to the FORAN customers in India. Country's largest private shipbuilding firm, ABG Shipyard in Surat and National Ship Design & Research Centre in Vishakapatanam are already using FORAN software for ship designing. Even some public sector undertakings and other upcoming shipyards have shown great interest in FORAN software, he added.

In today's cutthroat competitive world, Mr Hexter said that ship building is conditioned by complex ship designs, demanding customers and financial pressures. The industry is always looking at innovative ways to efficiently design profitable vessels with no margin for error. Inbuilt security features, single database, direct link to productions facilities, etc allow FORAN to be used as a collaborative design tool at multisite environment. Citing the advantages of using FORAN System, Mr Hexter stated that it "has an extremely friendly GUI and has a ship building specific approach." "Ship designers can easily learn, implement and operate with minimum IT support. Since mid-1960s, Sener itself has designed more than thousand ships across the globe using the ship design of FORAN," he added.

According to Mr Hexter, FORAN system includes tools for the seamless generation of 2D drawings associated with the 3D product model. The FORAN design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different ship components in an immersive experience.

Mr Hexter further added that FORAN software could be used in different types of ships - cargo vessels, passenger ferries, naval vessels, offshore, submarines, frigates, aircraft carriers, etc. He mentioned that his firm has over 100 clients spread over different countries. Some of the major countries where the software is used are Argentina, Brazil, Bulgaria, China, Finland, Germany, India, Italy, Iran, Japan, Malaysia, Norway, Russia, Spain, Singapore, UK, UAE and USA. And, the prestigious clients include Aker Yards (18 shipyards in 8 countries), Navantia (Spain), Imabari & Oshima Shipbuilding Co. (Japan), United Force Corporation, Beijing and Shanghai (China), BAE System (UK).

All FORAN related services are backed by Customer Support Group, which has a team of dedicated engineers, who have wide experience and expertise in both ship design and system operation. After installation, Sener offers optional technical assistance during the start-up period at the customer premises or even remotely, according to the requirements of each shipyard. Besides,
Sener provides a wide range of training courses (both for individuals and companies) for the efficient use of FORAN software, he informed.

FORAN solutions are being increasingly used in the shipbuilding industry for hull forms generation, hull structure, naval architecture, outfitting, electrical, etc. It features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for organizing custom-need, highly accurate production and fabrication information, Mr Hexter said.

A word about Sener:
Sener, a private engineering and consultancy firm set up way back in 1956, and employs some 1,800 people. It is a multi-branch engineering concern covering a broad range of technologies including aerospace, civil engineering, communications, control and actuation, environment, power, transportation and marine engineering. Sener activity is characterized by the adoption of state-of-the-art technology to provide customers with innovative solutions. In the marine field, particularly, Sener has provided professional services to shipbuilders, designers, owners, operators and regulatory bodies for some 50 years. It is in this area that it has made its most internationally acclaimed contribution: the FORAN System.

Brief history of Vedam:
As for Vedam, it is a major consultancy company founded by Akshay Jain, a naval architect with vast ship building experience in countries in the Far East, Middle East & Europe. The firm has a strong backing of promoters in the marine industry and provides design solutions to shipyards and ship-owners, which includes basic design, detailed design, ship conversion, shipyard design and New building & repair supervision. It derives its strength from the understanding of practical shipbuilding and implementing the same in the designs.

'Remote India's trade potentials must be utilized fully'

Technology has played a great part in every industry and shipping sector is no exception. India, a fast growing economy has a lot of potentials not only in shipping industry but also in all sectors and that is the key reason why all major industries round the globe are keen to have their presence in India. This was unanimously opined by speakers at the 'Inside Out' event by Zebra Technologies Europe Limited at Hotel Kohinoor Continental, Mumbai on August 20, 2008, where experts gave an insight on automation and the latest updates in bar coding and RFID (Radio-Frequency Identification), which are of great use even in the shipping sector. A report on the seminar:

Welcoming the delegates to the one-day technical interactive event, Mr Paul Garner Evans, Retail Manager-MEIA, Zebra Technologies detailed about the company’s global presence and how during the last 39 years it has successfully delivered the goods and have been preferred worldwide because it provides faster, reliable, flexible, forward-looking, mobile, versatile and rugged printers.

Zebra Technologies is a global leader in speciality printing, delivering innovative and reliable bar code, RFID and speciality printing solutions for business and governments in more than 100 countries round the globe. It is the trusted brand for 90% of Fortune 500 companies, he said.

The UK-based company which has a work force of 3,200 employees also has its offices in North America, Latin America, Europe, Middle East, Asia Pacific nations including India. Zebra card printers lead the market and are used across a wide variety of specialist applications by various industries like retail, education, healthcare, transportation including shipping, manufacturing, parking, post and parcel, hospitality, finance, and Government offices round the globe, Mr Evans added.

The company has clients like Wal-Mart, IBM, Label, Metro Group, Coca Cola, Tesco, John Lewis, Hindustan Unliver Ltd, Reliance, Bajaj Allianz, Jet Airways, SpicJet, Kingfisher, Maruti Suzuki, FedEx, Philips Conductors, Deccan, Indian Navy, W H Smith, DHL, etc, he informed.

Speaking about 'Vertical Scenario & Application Retail,' Mr Mark Thompson, Retail Industry
FORAN-V60 offers total solution to ship building

Mumbai, Aug 27:

Of late, computer technology has penetrated into many fields and industries and has widespread usage world over. Among others, shipbuilding and designing is an important field where its application is on the rise. Revealing this and other details of FORAN, the software application, Robert Hexter, Area Sales Manager, Sener Ingenieria y Sistemas de Spain at a Press Meet in Mumbai, pointed out that FORAN-V60 is today the "best shipbuilding CAD/CAM/CAE solution, a complete and integrated system for ship design and production."

As a tool to design ships, FORAN is already in use in as many as 26 countries, including India, across the globe. FORAN system is dedicated to shipbuilding, and the philosophy of shipbuilding is inherent in the system. Sener is not just a software house, but an engineering firm with various verticals. Inhouse ship design activities, the core business of SENER, has always been a prime solution to FORAN by providing inputs from the real ship designers. Sener's marketing arm in India, Vedam Design & Technical Consultancy's CEO, Arunay Jam, who also spoke on the occasion, opined that the partnership would be beneficial for FORAN. He is confident that being a user of FORAN, Sener can provide excellent local support and technical assistance to the DRAN customers in India. Already, Sener India's largest private shipbuilding firm, ABG Shipyard in Surat and National Ship Design & Research Centre in Vishakapatnam are using FORAN software for ship designing. Even some public sector undertakings and other upcoming shipyards have shown great interest in FORAN software, he added.

In the present highly competitive world, Hexter added that shipbuilding is conditioned by complex ship designs, demanding customers and financial pressures. The industry is always looking at innovative ways to efficiently design profitable vessels with no margin for error. Inbuilt security features, single database, direct link to productions facilities, etc. allow FORAN to be used as a collaborative design tool at multisite environment.

Citing the advantages of using FORAN System, Hexter stated that it has an extremely friendly GUI and has a ship building - specific approach. "Ship designers can easily learn, implement and operate with minimum IT support", he added. Since mid-1960s, Sener itself has designed more than thousand ships across the globe using the ship design of FORAN.

All FORAN-related services are backed by Customer Support Group, which is staffed by a team of dedicated engineers, who have wide experience and expertise in both ship design and system operation. After installation, Sener offers optional technical assistance during the start-up period at the customer premises or even remotely, according to the requirements of each shipyard. Besides Sener, provides a wide range of training courses, both individuals and companies, for the efficient use of FORAN software.

FORAN solutions are being increasingly used in the ship building industry for hull forms generation, hull structure, naval architecture, outfitting, Electrical, etc. It features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for organizing custom-need, highly accurate production and fabrication information. According to Hexter, FORAN system includes tools for the seamless generation of 2D drawings associated with the 3D product model. The FORAN design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different components in an immersive experience.

Hexter further added that FORAN software could be used in different types of ships—cargo vessels, passenger ferries, naval vessels, offshore, submarines, frigates, aircraft carriers, etc. He mentioned that his firm has over 100 clients spread over different countries. Some of the major countries where the software is used are Argentina, Brazil, Bulgaria, China, Finland, Germany, India, Italy, Iran, Japan, Malaysia, Norway, Russia, Spain, Singapore, UK, UAE and USA. And, the prestigious clients include Aker Yards (18 shipyards in 8 countries), Navantia (Spain), Imabari & Oshima Shipbuilding Co. (Japan), United Force Corporation, Beijing and Shanghai (China), BAE System (UK).
നവികാരം

കലാസായകം ഒരുക്കിപ്പെട്ടത് നാലുവരയാണ് 60 എഡ്യൂക്കേഷൻ

അനുബന്ധ പ്രകാരം വിദ്യാഭ്യാസം നടത്തുന്നത് കലാസായകം നാലുവരക്ക് എഡ്യൂക്കേഷൻ സിദ്ധാന്തത്തിനും വിദ്യാഭ്യാസത്തിനും ആസ്ഥയപ്പെടുന്നു. കലാസായകം നാലുവരക്ക് എഡ്യൂക്കേഷൻ സിദ്ധാന്തത്തിനും വിദ്യാഭ്യാസത്തിനും ആസ്ഥയപ്പെടുന്നു. കലാസായകം നാലുവരക്ക് എഡ്യൂക്കേഷൻ സിദ്ധാന്തത്തിനും വിദ്യാഭ്യാസത്തിനും ആസ്ഥയപ്പെടുന്നു.
बेहतर शिप डिजाइन के लिए फोरान-वी60

मुंबई (संवाददाता). जहाज निर्माण बंधन जहाज डिजाइन में व्यापक संबंधितों की देखरेख हेतु संयुक्तता के लिए फोरान ने अनावश्यक शिपबिल्डिंग सीएम/सीएम/सीए हेलिकॉप्टर सेवाओं के लिए प्रांगणी दिलाया है। कंपनी के अनुसार शिप डिजाइन व प्रोडक्शन में फोरान-वी60 एक पूर्ण एकैकृत प्रणाली है। गैरस्वास्थ्य भूमिका में जहाजों की डिजाइन के एक उपकरण के दौरान पर फोरान का भारत के पास-पास विभिन्न भाग के 26 प्लानों में पहले से ही उपयोग हो रहा है।

कंपनी के परिचालक मैनेजर रॉबर्ट हेक्सटन ने बताया कि फोरान सिस्टम में यही ग्राहक प्रोडक्ट मांडल के साथ युक्त ड्यूडी इंडीज के सही विदेश अंतरराष्ट्रीय के लिए उपकरण शामिल है।
FORAN - V60, Best Shipbuilding CAD/CAM/CAE Solution

Technical Consultancy's CEO, Akshay Jain, who also spoke on the occasion, opined that the partnership would be beneficial for FORAN. He is confident that Vedam, being a user and companies, for the efficient use of FORAN software.

FORAN solutions are being increasingly used in the shipbuilding industry for hull forms generation, hull structure, naval architecture, Outfitting, Electrical etc. It features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for organizing custom-need, highly accurate production and fabrication information. According to Hexter, FORAN system includes tools for the seamless generation of 2D drawings associated with the 3D product model. The FORAN design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different ship components in an immersive experience.

Sener, is a private engineering and consultancy firm set up way back in 1956, and employs some 1,800 people. It is a multi-disciplinary engineering concern covering a broad range of technologies including aerospace, civil engineering, communications, control and actuation, environment, power, transportation and marine engineering.

As for Vedam, it is a major consultancy company founded by Akshay Jain, a naval architect with vast ship building experience in countries in the Far East, Middle East & Europe. The firm has a strong backing of promoters in the marine industry and provides design solutions to shipyards and ship-owners, which includes basic design, detailed design, ship conversion, shipyard design and New building & repair supervision. It derives its strength from the fact that in the past, the company has completed 24 new builds.
फोरॅन बी - ६०
तंत्रज्ञाचा जहाज
निर्मिती वाढता वापर

जल्लूनराज्य प्रकाशीची शेती माहिती
"१६ रोजी आळवा वैदिक"
माहिती (ज्यू.आई) - निमित्त रंगीली संपुष्टत १४ रोजीची
प्रकाशीच्या प्रकाशीमध्ये वाचणी साहित्यकारांच्या अनुवाद व संगीतपत्रकांच्या माध्यमात
Biofuel needs energiser
Spanish ship design software in India

A BUSINESS CORRESPONDENT

SENER Ingeniería y Sistemas, an engineering, consultancy and systems integration company based in Madrid, Spain, has announced the launch of Foran-V60, a shipbuilding solution in India.

Giving details of Foran, the software application, Robert Hext, Area Sales Manager, Sener, pointed out that Foran-V60 consisted of CAD/CAM/CAE solution, a complete and integrated system for ship design and production. As a tool to design ships, Foran is already in use in as many as 26 countries, including India.

Akshay Jain, CEO, Vedam Design & Technical Consultancy, Sener's marketing arm in India, was confident his company, being a user of Foran, could provide excellent local support and technical assistance to Foran customers in India. Already, Surat-based ABG Shipyard, the country's largest private shipbuilding firm, and National Ship Design & Research Centre in Visakhapatnam are using Foran software for ship design work. Even some public sector undertakings and other upcoming shipyards have shown great interest in Foran software, Jain added.

According to Hext, in the present competitive world, shipbuilding was conditioned by complex ship designs, demanding customers and financial pressures. The industry was always looking at innovative ways to efficiently design profitable vessels with no margin for errors. Inbuilt security features, single database, direct link to production facilities etc., allowed Foran to be used as a collaborative design tool at multi-site environment.

The Foran system has a very friendly graphical user interface and a shipbuilding specific approach, which ship designers can easily learn, implement and operate with minimum IT support. Since mid-1960s, Sener herself has designed more than 1,000 ships for over 100 clients across the world using Foran solutions. These are being increasingly used in the shipbuilding industry for hull forms generation, hull structure, naval architecture, outfitting, electrical etc. Foran software can also be used in different types of ships like cargo vessels, passenger ferries, naval vessels, offshore, submarines, frigates and aircraft carriers.

The system features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for customised service, highly accurate production and fabrication information. The Foran system also includes tools for the seamless generation of 2D drawings associated with the 3D product model.

RISK MANAGEMENT

Manufacturers that conduct effective risk assessments are better able to ensure safety without decreasing productivity. The definition of a formal risk assessment covers identifying, quantifying, and mitigating risk, and it is included in many regional and international standards including IEC61508, ISO13849, and ANSI/B155.1. A formal risk assessment gives a company a way to practice due diligence and good engineering practices in the process of providing a safe work environment.

Risk assessments give companies a means to identify specific hazards on a machine, quantify the risk these hazards present to employees, and evaluate practices to mitigate the risk. In addition, an assessment will specify the most appropriate safety circuit architecture needed to mitigate the initial risk rating determined by the assessment team. Once risks are fully defined and understood, they must be designed-out, or mitigated to the greatest extent possible.
Akshay Jain

Creating ship designs for internal use. At that time computers started to become commercially employed. So the company began to employ computers for ship designing. So we developed an original system for designing of ships at that time.

Q) Tell us about your latest venture in India?

Robert Hexter: In India we have formed a partnership with Vedam Design & Technical Consultancy Pvt Ltd. They use FORAN and help us in local support which is very necessary in the Indian ship building industry.

Q) To what extent is FORAN in use in India?

Akshay Jain: It is being used by ABG Shipyard, Surat and by the National Ship Design & Research Centre, Visakhapatnam. Vedam being a marine design company it gives us a very good advantage because we are able to give strong support to this industry in India. Hence local support becomes very important for such ventures. We are a core design company and we understand each and every aspect of FORAN and know how advantageously it can be used by shipyards. We can design every kind of vessel without limitation for offshore, marine, coastal, inland waterways, navies, etc.

Q) Tell us about the

Q) What are the outstanding features of FORAN that make it more powerful than other systems?

Robert Hexter: The basic idea of FORAN system is that you design the whole ship and try using the computer in a 3D model first. So the computer will then be used to make the man-hours in the production phase. Besides, FORAN is important because it works in a single database.

Q) How do you view the Indian market conditions?

Akshay Jain: It is very big market coming up here and has a great potential. This is especially after interacting with various shipyards and different technical people and we find that everyone is very positive on FORAN. They have been comparing FORAN with what is there in the market and find that our user-friendly software has many features that don't exist in other software.

Q) What is the situation with regard to Indian shipyards and how do they design?

Robert Hexter: Some do part of their designing and some get it out sourced. Every shipyard has their design set-up. Some do some of their project designing in their outfit and get the rest done outside. So it all depends on the schedules they have, the deliveries they have, etc.
India has emerged as a dominant player on the global platform competing with international plants.

Global rating agency, Dun and Bradstreet (D&B), has selected "India’s Top IT Companies 2008" and listed the 210 pan-India companies in a premier publication. D&B conducted a nationwide survey of Indian IT companies, evaluating over 11,000 companies, of which only 210 were selected. The parameters for selection included location, company size, total income, services offered and operating verticals.

The Indian software industry is poised to maintain its growth rate despite the slowdown in the economy. According to latest Nasscom rankings, Tata Consultancy Services (TCS), Infosys and Wipro are the top three revenue generators in India. The top-10 players in the Indian IT industry, according to D & B, are as follows:

TCS is not only one of the India’s largest corporate houses, but also the largest IT employer with 1.11 lakh employees. Tata Computer Centre, a division of the Tata Group, started by offering computer services to other group companies. Soon the division was hived off as Tata Consultancy Services after Tatas realised the huge potential of the booming IT services. Its annual sales worldwide stood at $5.7 billion for the fiscal year ended March 2008.

Wipro, with 72,000 employees today earns $5 billion from its revenue-generating IT, BPO and R&D services organisation with presence in over 50 countries. Wipro was the only Indian company to be ranked among the top 10 global outsourcing providers in IAOP’s 2006 Global Outsourcing 100 listing. Wipro has also won the International Institute for Software Testing’s Software Testing Best Practice Award.

FORAN-V 60

Integrated software system for ship design

"FORAN – V60, a complete and integrated software system for ship design and production has emerged as the best shipbuilding CAD/CAM/CAE solution", claims Mr. Robert Hexter, Area Sales Manager, Sener Ingenieria Sistemas de Spain, which has developed the versatile product – FORAN for ship building and designing field.

"Sener is not just a software house but is also an engineering firm with various verticals", maintains Mr. Hexter adding that "inhouse ship design activities in the core business of Sener and FORAN system is dedicated to shipbuilding".

According to Mr. Hexter, in the present highly competitive world, shipbuilding is conditioned by complex ship designs, demanding customers and financial pressures. The industry is always looking at innovative ways to efficiently design profitable vessels with no margin for error. "Inbuilt security features, single database, direct link to production facilities etc. allow FORAN to be used as a collaborative design tool at multisite environment", he adds.

According to him, FORAN software could be used in different types of ships-cargo vessels, passenger ferries, naval vessels, offshore, submarines, frigates, aircraft carriers, etc. He avers that his firm has over 100 clients spread over different countries. Prominent countries that use the software are Argentina, Brazil, Bulgaria, China, Finland, Germany, Italy, Japan, Korea, Malaysia, Norway, Russia, Spain, Singapore, UK, UAE and USA. Prestigious clients include Aker Yards (18 shipyards in 8 countries), Navantia (Spain), Imabari & Oshima Shipbuilding Co. (Japan), United Force Cor-
Infosys Technologies, started in 1981 by seven persons with $250 has, emerged as the mascot of India’s mighty IT sector dominating the world stage. Today, it boasts of revenues exceeding $4 billion and 94,379 employees.

Satyam Computer Services Ltd (SCSL), established in 1987, has staff strength of 51,000 employees. In fiscal 2008, the company’s revenues crossed the $2-billion mark. The company’s mantra for success is ‘a simple, yet extensive management model to create value, entrepreneurship, a focus on the customer, and the constant pursuit of excellence’.

HCL Technologies (HCL), founded in 1976, is a leading global technology player with annual revenues of $4.9 billion. The HCL group comprises two companies listed in India, HCL Technologies and HCL Infosystems. HCL is considered to be India’s original IT garage start ups.

Tech Mahindra was incorporated as a joint venture between Mahindra & Mahindra and BT plc in 1986 under the name ‘Mahindra-British Telecom’. Later, it was rechristened ‘Tech Mahindra’ to reflect the diversification and growth of the client base and service offerings. Tech Mahindra is a global systems integrator and business transformation consulting firm focused on the communications industry.

Patni Computer System (PCSL), which began as a private sector company in 1978 and went public in 2003, is one of the leading global providers of information technology services and business solutions, employing 14,000 professionals.

i-flex Solutions started in 1991 as a wholly-owned subsidiary of division of Citicorp (now Citigroup), called

Citicorp Overseas Software Ltd (COSL) in 1991. Later, a separate company Citicorp Information Industries Ltd. (CITIL) was formed. In the mid-90s, CITIL developed Flexcube at its Bangalore development centre. After the launch of Flexcube, all of CITIL’s transactional banking products were brought under a common brand umbrella. CITIL changed its name to i-flex solutions to reflect its growing independence from Citicorp and to strengthen its Flexcube brand.

Mphasis, formed in June 2000 after the merger of the US-based IT consulting company Mphasis Corporation (founded in 1998) and the Indian IT services company BFL Software Limited (founded in 1993) employs 27,000 people.

L&T Information Technology (LITILT), the wholly-owned subsidiary of Larsen & Toubro Ltd (L&T), changed its name to L&T Infotech on April. 1997. In 2004, it tied up with Fidelity Information Services, a division of Fidelity National Financial to provide banking solutions for the Indian banking industry. The company is a global IT services and solutions provider.

Corporation, Beijing and Shanghai (China) and BAE System (UK).

Foran is catching up fast in India also. According to Mr. Akshay Jain CEO of Vedam Design and Technical Consultancy, India’s largest private shipbuilding firms ABG Shipyard in Surat and National Ship Design & Research Centre, Vishakhapatnam have been using Foran software for ship design. “Even some public sector undertakings and other upcoming shipyards have shown great interest in Foran software”, he adds.
FORAN – V60, Best Shipbuilding CAD/CAM/CAE Solution
An Integrated System for Ship Design/Production

Foran solutions are being increasingly used in the ship building industry for Hull forms generation, Hull structure, naval architecture, Outfitting, Electrical etc. It features a built-in strategy module for representing ship breakdown, creating user-defined structured work packages for organizing custom-need, highly accurate production and fabrication information. According to Hexter, Foran system includes tools for the seamless generation of 2D drawings associated with the 3D product model. The Foran design review tools give users the possibility to walk through and fly around the 3D model in real time and to query the properties of the different ship components in an immersive experience.

Hexter further added that Foran software could be used in different types of ships – cargo vessels, passenger ferries, naval vessels, offshore, submarines, frigates, aircraft carriers, etc. He mentioned that his firm has over 100 clients spread over different countries. Some of the major countries where the software is used are Argentina, Brazil, Bulgaria, China, Finland, Germany, India, Italy, Iran, Japan, Malaysia, Norway, Russia, Spain, Singapore, UK, UAE and USA. And, the prestigious clients include Aker Yards (18 shipyards in 8 countries), Navantia (Spain), Imabari & Oshima Shipbuilding Co. (Japan), United Force Corporation, Beijing and Shanghai (China), BAE System (UK).

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