

ROTOTALK

Newsletter of Society of Asian Rotomoulders (StAR)

Editorial Comment

In recent times StAR has looked beyond the routine in its round – the – year activities to bring greater value to its membership benefits. Active collaboration and interaction with national institutions like BIS & CIPET in Regional Meets, and with BITS – Pilani Goa in launching RMCER have opened new vistas for its members and the industry. But StAR knew well that affordability of membership dues was a crunch for smaller companies of the industry. By announcing a new rationalized dues structure StAR has now made it possible for small companies to enjoy membership benefits StAR has created through relentless efforts of over a decade and half.

Dear Reader

At StAR we feel closer as never before to achieving our twin objectives of maximising benefits for our members AND keeping our membership most accessible and affordable to industry members.

On the one hand publication of the popular Materials Properties Booklet was followed by the drafting of Underground tank standards which is still ongoing, On the other side activities like regional meets at CIPET Ahmedabad and with BIS at Delhi, Rotomoulding seminar for BITS Goa students and faculty along with products display at their campus kept up pace. The ARMO front stayed busy as well with StAR contributing to the 2019 ARMO Products Showcase and the just released ARMO Promo Video. StAR monthly Webinars on relevant topics grew in popularity and audience participation. StAR featured prominently at ARMO 2019 in Sun city, South Africa and the StAR conference at ever popular Goa as venue from Jan 22 to 24 2020 is gathering interest and attention.

S B Zaman
StAR Executive Director

Umakant Savadekar
StAR President

NEW StAR MEMBERSHIP DUES STRUCTURE.....

MORE AFFORDABLE & RATIONALIZED...WITH PREMIUM MEMBERSHIP BENEFITS

The StAR decade and a half success story of playing catalyst for the growth and development of the rotomoulding industry of the region and for bringing international class rotomoulding would not be complete without most of the region's industry being part of it. StAR now makes that possible with its new rationalized and affordable for most, dues structure.

REDUCED MEMBERSHIP DUES

MOULDER		
Turnover	One Year Dues(INR)	Three Years Dues(INR)
Upto 5 Crores	12500	31250
5 to 20 Crores	22500	56250
More than 20 Crores	32500	81250
SUPPLIER		
Turnover	One Year Dues(INR)	Three Years Dues(INR)
Upto 10 Crores	25000	62500
10 to 50 Crores	50000	125000
More than 50 Crores	75000	187500
DESIGNER / CONSULTANT		
One Year Dues(INR)	Three Year Dues(INR)	
10000	25000	
INSTITUTES / EDUCATIONAL		
One time Registration fee for Lifetime Membership @ INR 1000		

StAR MEMBERSHIP BENEFITS

- Enhance global technology and industry knowledge, learn from experts, networking with industry peers, knowhow to improve quality – reduce scrap, business growth through global contacts and new ideas.
- **Annual Conference:** The premier event for rotomoulders, suppliers, and all attendees. Includes world-class speakers, domestic & international, speaking on a number of timely prominent topics. Seminars by industry authorities, trade exhibition by domestic & international suppliers. Valuable networking, making new friends and renewing friendships.
- **ARMO Privileges:** "member rate" for attendance at all ARMO conferences; including annual conferences of all global associates.
- **Regional Meets:**...once per quarter in different regions.
- **Webinar**Monthly ... learn from peers & experts on relevant topics
- **Trade Publications:** ROTOTALK; ROTOWORLD; ARMO SHOWCASE; ARMO global news!
- **Roto Trends: Latest biannual global publication from ARMO – Complimentary**
Exploring potential trends of rotational moulding design & innovative new products to open new markets.
- **New Members** upon joining receive:RESOURCE BOOKLETS – Materials Properties Booklet, The Basic Process, Trouble Shooting Manual, Glossary of Terms, other material
- **RMCER:** Rotational Moulding Centre for Education & Research at BITS Goa for industry development
- **Standards for Rotomoulded Products:** Ongoing endeavour to work for contemporary standards by interacting regularly with regulatory authorities

This is what comes with StAR membership. Return on your investment is tremendous. Fifteen years of proven track record!

StAR DELHI MEET FEATURES STANDARDS WITH BIS PARTICIPATION

StAR Delhi Regional Meet was held on 19th August 2019 and included a seminar on Standards for rotomoulded tanks – overhead and underground. The idea being to ensure contemporary standards from a common perspective for manufacturers, end users and regulatory authorities.

Notable among the 32 attendees were the representatives from Bureau of Indian Standards (BIS) the apex standards authority. Ms Madhurima Madhav presented on behalf of BIS on Standards Formulation Process during which she informed that Standards formulations submitted by associations are taken up for consideration by BIS into their processes. This was encouraging news for StAR as it has kept BIS aware of its work on standards in the areas of Overhead & Underground tanks.

About StAR – Member benefits & activities

S B Zaman, StAR Exec Director listed the many benefits of being member of StAR especially the joining - member friendly one and half year membership scheme.

Greenage Industries was thanked and congratulated for keeping up its consistent record of sponsorship at StAR Meets.



Presentations were made at the seminar by A Baheti of Vectus on project work on overhead tank standards completed at StAR, and on underground tank Standards by Dr Sachin Waigaonkar who is in charge of the Underground tank standards project of StAR at BITS Pilani Goa in which the draft stage has been reached.

The regional meet presentations in the afternoon consisted of:

Importance of Powder properties

Ravi Kadivar of Greenage Industries emphasized on use of good quality powder to obtain good quality products.

How to use oven efficiently

Divya Raithatha of Vinodrai Engineers pointed out the necessary protocol to be followed in placement, operation and maintenance of the oven for optimum results.

How the science of breath can keep your organizations happy

Dr S Waigaonkar of BITS Pilani Goa dealt with control of breath as positive human element in any working or production set up.

PE Foam Products

U Savadekar of Phychem Technologies explained the types and functions of foaming.

Indian rotomoulded tanks market scenario

A Baheti of Vectus Industries narrated how a lot has changed and yet much remains the same; his own story of how right positioning often did the job.

Converting to LPG – A Clean & Cheaper solution

For Super Gas S Kaul supported by L Mondal presented on the efficiencies and environment friendliness of their LPG fuel which actually converted into cost advantages.

SEPTEMBER StAR WEBINAR ON MATERIALS SELECTION

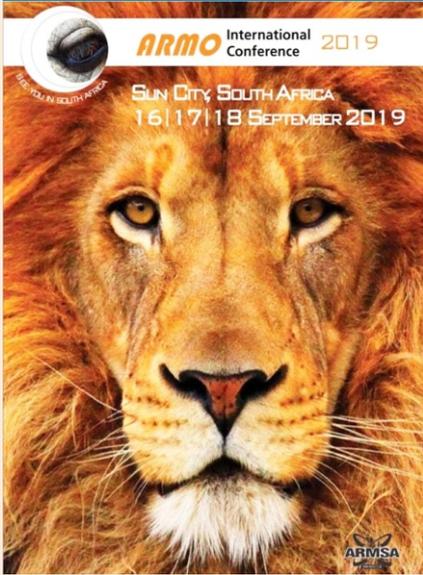
StAR's popular series of monthly webinars continued with the September webinar being held on the 27th of the month.

It was conducted by Venkit Mahadevan of Matrix Polymers on the topic "Materials selection.... The choice is yours". It had 32 participants



- In the last decade or so, several new materials have become available in the market... both imported and indigenous.
- Choosing the right material is often ignored by rotomoulders.
- Knowing the technical aspects of the application and materials are both key factors.
- The webinar attempted to help understand the basics of choosing the right material for an application...

ARMO 2019 AT SUN CITY A MULTIFACETED EVENT



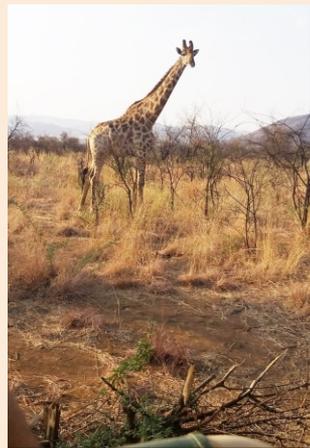
ARMO Board Meeting



ARMSA Group - Hosts



Divya in Rototour Group



Wildlife



Golf

Beginning with the ARMO Board meeting on September 15 the ARMO conference kept up a busy schedule for all categories of participants. StAR participation covered all possible areas right from the start. Vice President Ravi Kadivar and Executive Director S B Zaman represented StAR at the Board meeting which took many important decisions. StAR Board member Divya Raithatha wound up with the Rototour group at the conference venue on 15th evening. Dhanu Patell of StAR member company Reinhardt was among the conference speakers while StAR supplier members NA ROTO and EEC were exhibitors. The sixteen StAR group members were enthusiastic participants in the various events of the conference.

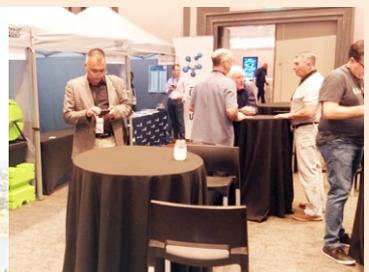
The Trade show and presentations got underway from September 16 afternoon and carried on until the end of the conference on 18th September. Immaculate organization and smooth functioning of all conference events was a very noticeable feature of the event. Table top exhibitor booth were very aesthetically and efficiently constructed as complete structures.



Trade Show



Yuvraj and Dhanu with friends



Gala Evening

Some presentation ideas at the conference were quite novel - like the one on "Wall thickness" by the trio of Dhanu Patell, Oliver Wandres & Ronny Ervik calling themselves "three musketeers" they shuffled themselves as they presented different aspects of the topic. Dr Gareth McDowell of 493 K came dressed as a mountaineer fresh from a Mount Kilimanjaro expedition drawing parallels between the climb and the rotomoulding industry ascending to 4.0. Presentation of Sassol Students Design Awards was another interesting feature of the conference.

The social evenings of the conference took full advantage of the location of the venue which was a beautiful city carved out of a mountain with the

forests remaining very much intact and now turned into a popular wildlife reserve.

While the dinner reception on 16th evening was a drive away to an ethnic semi open eating place, the Gala dinner on 17th evening was a very exotic experience. It included a safari ride and ended up in an enclosure which was an open restaurant. With bonfires and stage performances to add to the ambience it turned out to be an evening of food, drink and great merriment.

ONLINE REGISTRATION & HOTEL BOOKING NOW OPEN

www.starasia.org



StAR 2020 ANNUAL ROTOMOULDING CONFERENCE & TRADE SHOW

Radisson Blu, Goa : 22nd – 24th Jan, 2020

PASSION PROFIT & ROTATION

- Workshops : Jan 22 • Networking Dinner : Jan 22
- Conference Presentations : Jan 23 & 24
- Gala Dinner & Entertainment : Jan 23 • Trade Show : Jan 22 to 24

QUB PROJECT ON CONVERSION OF ONE TIME PLASTIC WASTE TO ROTO PRODUCTS

It is a QUB project which is timed just right for India

Researchers at Queen's University Belfast have discovered new ways to convert single-use plastic waste into products such as storage tanks for water and fuel, and sporting goods such as kayaks and canoes, which could help to solve global environmental problems.

Today the world produces over 300 million tonnes of plastics every year, which is almost equivalent to the weight of the entire human population. Much of this is single-use and not designed to be recycled, which creates a mountain of waste that enters the natural environment such as plastic pollution in the oceans.

However, researchers at the Polymer Processing Research Centre (PPRC) at Queen's University are pioneering innovative manufacturing techniques to turn waste plastic into a wide variety of useful products. Their ground-breaking approach involves a manufacturing process called rotational moulding, which has the potential to economically recycle very large volumes of plastic waste into a wide variety of innovative products such as urban street furniture, storage tanks and marine buoys.

Dr Peter Martin, from the School of Mechanical and Aerospace Engineering at Queen's, explains: "The Polymer Centre at Queen's University Belfast has been leading the way in plastics recycling for over 30 years and our engineers are working on novel techniques that could really help to tackle the huge global issue of single-use waste plastics".

"The process starts with flakes of waste plastics being separated and compounded into pellets using the patented technologies of Impact Laboratories and Impact Recycling.

"At Queen's we take these pellets and grind them into a fine powder, which is then blended with a proportion of new plastic (polyethylene), heated to over 200°C and then cooled within a mould to transform it into the shape of a new product."

Dr Martin adds: "Our research involves testing to find the optimum combination of blending the plastics and processing conditions so that eventually Harlequin Manufacturing will be able to introduce a range of new rotomoulded products made largely from post-consumer waste.

"It is expected that in one product of this kind waste plastic could replace around 30 per cent of the new plastic required and use the equivalent of 1,000 old milk bottles in its manufacture."

StAR MEMBERS IN THE NEWS



NA ROTO AWARDED

NA ROTO StAR supplier member received **Asia's Most Promising Brand 2019** award in the Engineering category from Malcolm McDonald Academy. The award was received by NA ROTO Managing Director Anand Panchal at the Sheraton hotel, New Delhi on 5th September 2019.



VECTUS INDUSTRIES AWARDED

StAR moulder member Company **Vectus Industries Ltd.** was awarded **Best Manufacturing Company in 500 Crores -1000 Crores category** by India Today Group. The award was presented by Chief Minister of Madhya Pradesh Mr. Kamal Nath to Mr. Ashish Baheti & Mr. Atul Ladha of Vectus.

MAAG GROUP REBRANDS

Maag Group StAR member suppliers in a realignment of their branding and corporate strategy will further strengthen the company's position as a broadly diversified global solutions provider with integrated and customizable system solutions. Maag's process technologies are in the polymer, chemical, petrochemical, pharmaceutical and food industries. The group is bundling the activities of the companies it has acquired in recent years into four centers of excellence: Pump & Filtration Systems, Pelletizing Systems, Pulverizing Systems, and Recycling Systems. All of the companies will in the future be managed as product brands - AUTOMATIK, ETTLINGER, GALA, MAAG, REDUCTION, and SCHEER - under the MAAG Group umbrella brand.

StAR HEARTILY WELCOMES ITS NEW MEMBER

Company	Category	Primary Contact
INDIABUNGY, Ahmedabad	Moulder	KB Patel

FORTHCOMING EVENTS

CALENDAR OF ROTOMOLDING & RELEVANT EVENTS

DATE	VENUE	EVENTS
25 October, 2019 5PM (India Time)	Online Session	StAR Webinar on "Coastal Opportunities For Rotomoulding"
27 - 30 September, 2019	Hilton Americas Houston, TX USA	2019 ARM Annual Meeting
22 - 24 January, 2020	Radisson Blu Resort Cavelossim Beach, South Goa, India	2020 StAR Annual Conference & Trade Show
4 - 5 February, 2020	Helsinki	Nordic ARM Conference
30 March - 2 April, 2020	Marriott River Center, San Antonio, Tx	ANTEC 2020
30 March - 3 April, 2020	Lake Garda, Italy	2020 ARM Executive Forum with IT - RO
21 September - 24 September, 2020	Rosemont, IL USA	Rotoplas & 2020 ARM Annual Meeting
29 September - 1 October, 2020	NEC, Birmingham	2020 Interplas

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