



IMPRESSIONS ON NADCA DELEGATION



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DELAWARE DYNAMICS VISIT



GDCTECH'S USA DELEGATION 2024

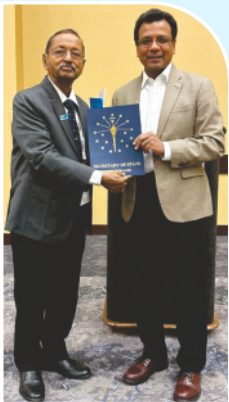
AutoCast visit



PURDUE UNIVERSITY VISIT



SUBARU CAR MANUFACTURING PLANT VISIT



⇐ *Mr Raju Chinthala handing over the "USA Michigan's Secretary of States" letter to GDCTECH president Shri. Anil Kulkarni*

When GDCTECH comes up with something, it has to be an amazing game changing idea! Right after the Chennai MEGA Event in December 2023, preparations began for having a delegation to visit NADCA conference in USA.

As soon as the first flyer went out in January 2024, the 30 seats capacity got filled within just one week. 28th September to 6th October 2024 were the visit dates for our USA delegation. The entire 8 days schedule was jam packed with conferences, meetings, and variety of industry visits.

GDCTECH took extreme care in planning the visits.

With personal phone calls, we received inputs from all the delegates regarding what would they like to see in the US and what will be helpful to grow their businesses. With their inputs in mind, we started working on the visits.

The entire travel related arrangements, right from delegate registration, follow ups, booking the flight tickets, hotels, Indian restaurants and transport vehicles were managed by "TWORRLD Tourism Solutions".

The NADCA expo and congress 2024 was a 3 days long event. 170 companies displayed their

products/services at the exposition. The Congress had many paper presentations throughout the 3 days. On the 2nd day, NADCA hosted a grand luncheon along with an Awards Ceremony. The luncheon was grand and fabulous. The entire event was organized at Indiana Convention Center, downtown Indianapolis, Indiana State, USA.

Our GDCTECH delegation spent two whole days at the NADCA conference. On both the days, we had interesting activities planned for the delegates. On the 1st day, we visited 'LK Machinery's' plant in Greenwood, Indiana. On the 2nd day, we had a special visit to HTCI - Hindu Temple of Central Indiana. At HTCI we had planned a satvik dinner for all the delegates. The local Indian community leaders joined our delegation for the tasty satvik dinner. The mutual interaction was highly interesting. Our delegates got a lot of new information related to, how the Indian diaspora lives abroad, what are their challenges, how they maintain Indian values and traditions; and propagate those to the 2nd and 3rd generations of the parents who initially migrated from India to USA. All the delegates had very heart touching dialogue, and mind calming darshans at the temple.

From 3rd October onwards the delegation was on a move for industry visits. On that day, day 1 of industry visits, we began with an interactive meeting with "Indiana India Business Council". Mr. Raju Chinthala, from the council, talked about business opportunities, government incentives and many more business growth ideas. The council has bought millions of dollars of investment from USA's Indiana state, to India. Our delegates received good insights on the ways of doing business from India to USA. Right after the meeting, we proceeded for an awesome visit to an OEM, Subaru of Indiana Automotive. The Subaru car plant employees over 6500 people. Visiting the gigantic car manufacturing facility was exciting, but a strenuous 3 hours walk. Amazing assembly processes were witnessed during the visit. Subaru plant is situated in 'West Lafayette' city in the state of Indiana. The same city boasts having one of the top schools in USA, the Purdue University. Our delegation had a planned a visit to the Purdue University. We visited their material science and manufacturing laboratory. At the lab, we got introduced to the futuristic research they are doing in manufacturing field.

The 2nd day of industry visits was a whole day travel through the beautiful plains of Indiana and Michigan states. At half way during this travel, we had planned a visit to Delaware Dynamics. They are into manufacturing HPDC dies. The company was

extremely welcoming and gave very helpful insights regarding tooling industry in USA. We could walk through their brand new as well as hundred years old facilities. The day ended with a comfortable stay in Grand Rapids city, Michigan.

The 3rd day of industry visit had a huge bandwidth. In the morning, we visited a small die casting company named Autocast Inc., in Grand Rapids, Michigan; while In the afternoon, we had planned a visit to the gigantic plant of Buhler Prince, a HPDC machine manufacturer. Autocast has only 50-60 employees. When we entered their facility, we were welcomed by a nice 'welcome note' for GDCTECH Delegation posted on a board in the lobby. Autocast's management treated us with a tasty spread of breakfast, filled with local food items. Beginning with mutual introduction, a discussion got kicked off between all the GDCTECH delegates and the Autocast management. It was a fulfilling, heart to heart discussion. The discussion topics ranged from working capital requirements, aluminium casting process details, to how much you pay to the employees right from operator to office staffs. All the differences and similarities were discussed between the two countries, India and USA. Even though it was a small factory, the visit turned out to be the most loved visit.

Later we proceeded to see BuhlerPrince plant in Holland, Michigan. The plant had totally different gigantic scale. Manufacturing 4000, 6000 tonnage high pressure aluminium die casting machines is not a simple task. The horizontal milling machine, lathe Machine, assembly area; everything was on a huge scale.

Summarising, all the companies we visited gave us a very lovely welcome. Not just that, but all of them showed us their entire facility whole heartedly and opened up on many questions that baffled delegates about industries in USA.

In all, the NADCA expo 2024 and the plathora of industry visits, left all the delegates very happy and contented. The travel arrangements made by TWORRLD were spotless and top notch.

The last one and half day was specially kept for relaxation, shopping and sightseeing in the city of Chicago. All delegate had a Gala time. Everyone was charged up on their return flights to India, with lot of new ideas and business plans to be implemented in their companies.

Advait Dattatraya Athavale

GDCTECH coordinator for USA Delgation visit 2024

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Dear Mr. R. T. Kulkarni,

It was a pleasure to meet with the distinguished group of industry leaders from India. I trust the time invested at NADCA EXPO, Delaware Dynamics and Buhler Holland Michigan were productive for your members.

Regarding the potential cooperation between NADCA and GDCTECH, I have had some discussions with NADCA President, Mike Meyer, on this and he will consider best options for us to work together in the future.

Thanks again for investing time in the USA visits, including attending the NADCA Expo.

Mark Los, Los LLC
Chairman, North American Die Casting Association (NADCA), USA
Former President (CEO at BuhlerPrince INC (17 yrs)
Principle Owner at LOS

According to me the visit of Indian delegation organised by GDCTECH FORUM to NADCA was a signature event of the current year. The hosting association is bound to recognise your presence when you visit in large numbers. 30 delegates from a single association is a large number by any means. I am thankful to all those who participated and some who wanted to participate but missed narrowly. Hope you don't miss next year.

The Exhibition was very informative for Die casters and paper presentation was also very informative. As a recognition to GDCTECH, we were invited for lunch during the award ceremony.

The memorable moments of the tour were, visits to different industries in Indianapolis, Michigan and advanced materials department of Purdue University.

I have no hesitation in congratulating R. T. Kulkarni, Advait Athavale, Purnima Madam and

entire Arkey Conference Team for the wonderful arrangements done and support extended during tour.

My special thanks to the young and dynamic member of the delegation, Mr. Advait for leading from the front for all official events.

I am sure all members will agree with me that we enjoyed togetherness in evenings as well and during travel.

I also acknowledge efforts taken and the meticulous planning done by Mr. Rohan Rane of T WORRLD. Selection of Hotels, Rooms, travel arrangements, lunches & dinners at Indian restaurants made our stay and travel exceptionally comfortable.

I Wish to be a part of such wonderfully organised Industrial delegation in future also.

Anil Kulkarni
Chairman
POOJA CASTINGS PVT. LTD.

“ The recent visit of the GDC Tech Team to Indianapolis, facilitated by the North American Die Casting Association (NADCA), proved to be a significant opportunity for knowledge exchange and technological insight.

During this visit, the team gained valuable insights into Environmental, Social, and Governance (ESG) monitoring practices, which are increasingly vital for sustainable operations in the industry. Additionally, we explored advancements in High-Pressure Die Casting (HPDC) technology, L. K. Machinery's stall showcased huge size of aluminium castings in HPDC for Electrical Vehicles. Specifically innovations in thick castings in HPDC Process. Introducing new pistons designed for extended operational life was also a highlight, along with using plasma gate cutting techniques for aluminum castings, which promises to enhance both quality and efficiency.

Our visit to Autocast Inc. in Holland, Michigan Factory offered a deeper understanding of metal transfer processes, including the use of loun ders and the underground transfer of aluminum risers and gates post-trimming. This experience allowed us to grasp the intricate cost structures associated with labor, fuel, and bank interest rates in the U.S., which are crucial for establishing effective benchmarks.

The tour of Buhler Prince Inc. was particularly

noteworthy as we observed the manufacturing of their HPDC 6000 Ton machine, showcasing the capabilities and scale of modern die-casting technology. Furthermore, our visit to Delaware Dynamics' Tool Room was memorable, highlighting their impressive manufacturing capacity for larger dies, ranging from 2,000 Tons to 6,000 Tons, suitable for HPDC applications.

An exceptional aspect of our trip was the visit to Subaru Motors, where we conducted a comprehensive walkthrough of the facility. This opportunity allowed us to observe various production sections, providing a rare glimpse into the operations of a leading Original Equipment Manufacturer (OEM).

Lastly, we had a meaningful experience at a Hindu temple of Greater Indiana (HTCI) USA which offered a moment of reflection and cultural appreciation amidst our professional endeavors.

Overall, the Indianapolis trip was an enriching experience that enhanced our understanding of current trends, technologies, and practices in the die-casting industry & networking to explore business relationships.

Jitendra Lakhoria
Chief Executive Officer
AAKAR FOUNDRY PVT. LTD.

IMPRESSIONS ON NADCA

“ Dear Sir,

The NADCA visit was great! We had strong networking with 30 delegates and shared valuable knowledge & Fun! From our company Noble cast 3 persons participated in this visit. The exhibition provided valuable insights into new technologies, like die coating and atomisation, which will be useful for upgrading our die casting manufacturing unit. The industrial visit was amazing and broadened our vision by allowing us to observe their facilities and systems.

This USA trip was not only memorable but will also inspire our team and positively impact our country's progress.

Lastly, thank you to the GDCTECH FORUM for organizing and making this trip a success.

Nitin Bhagwat
Chairman & Managing Director
NOBLE CAST COMP. PVT. LTD.

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Dear Mr. R. T. Kulkarni,

First of all let me thank you and congratulate you for flawlessly organizing this international delegation all the way to USA.

Starting with Logistics and stay arrangement. The logistics were absolutely flawless. The bus deployed was quite good and clean. The sitting arrangements were quite good.

Our stay was Organized in world class hotels like Hyatt and Embassy Suites. The hotel rooms were quite decent, the breakfast arrangements were excellent. The hotel Embassy Suites is a one where my routine visits I always prefer to stay.

The preplanning and coordination for the delegation was quite good and reflected in after we landed in USA

The exhibition was very insightful. Starting with the presentation of papers by various experts to Industrial visits. The presentation of various papers on Die Casting and support technology was very good and quite insightful. The overall exhibition and arrangement was good. In 2 days we could cover the entire exhibition hall. The good part was that right from simulation software for Die Casting, to various auxiliary equipments and state of the art Die Casting machines were displayed. We as an organization had some good and handy

takeaways.

The Industrial visits- All the Industrial visits were quite useful and informative except the one to L. K. Machinery. The visit to was of no use as there was hardly anything to see.

Rest all visits to Delaware Dynamics, Subaru and Buhler were quite useful. In my opinion we should have visits to core die casters in future where we can see the core die casting manufacturing.

The fooding arrangement during the travel for Industrial visits and the care taken was quite good. The visit to Purdue university was quite interesting even though not related to die casting technology.

Overall nice arrangements and planning. The delegates were taken care off.

Well done GDC & Team.

Niteen Inamdar
EVP & COO (Global Operations)
SIGMA ELECTRIC MANUFACTURING
CORPORATION PVT. LTD.

IMPRESSIONS ON NADCA

Dear Sir,

Thank you for your email. I genuinely appreciate the efforts made by GDCTECH to combine Expo visits with Industrial visits. It has been an enriching journey with GDCTECH.

We gained valuable insights through interactions with fellow participants and officials from the Expo and companies we visited. These interactions enhance our learning and understanding, which will undoubtedly benefit us in the near future.

Mayur Manoj Laxmeshwar
CEO
EMMEL VHEELERS (FIE GROUP)

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Dearsir

As it's my second or third visit with GDCTECH delegation and really it's my pleasure that I got the chance to visit overseas with delegation.

I really feel proud to be part of delegation as I got lots of networking like what others are doing, what others are buying capital item, from where they are buying capital items, what are their approach now a days in volatile market, what others are doing best practices, how we can connect each other in business level.

Second, as we go to overseas with delegation we get lots of respect. In addition we gain knowledge and learning as together we ask questions and discuss with each other.

The main thing is that a factory visits which GDCTECH especially arranged for us. By visiting overseas factories we get to know how much behind we are, what are the futuristic technologies we should adapt in our companies, how overseas companies are doing best practices

with best technologies.

We really appreciate GDCTECH that some one, or one association is doing like CSR only for us to gain knowledge, networking and may be buisness opportunities for export or JVs.

Without GDCTECH for us as MSME it's impossible to gain so much international experience.

At last the experience are nuts if we compare with the vast knowledge and opportunities which we got as a delegation going overseas with GDCTECH.

I really appreciate GDCTECH and especially Kulkarni sir that what they are doing for Diecasting companies for their growth.

I really enjoy to go as a delegation with GDCTECH . We can go alone also, but the things like knowledge and experience can be only gained if we go as a delegation, especially with GDCTECH.

I feel very proud with GDCTECH. Thanks a lot

Abhishek Kumar
APJ INVESTMENTS PVT. LTD.

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IMPRESSIONS ON NADCA

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Dear Sir,

I wanted to extend my sincere thanks for organizing the delegation to attend NADCA 2024. The presentations by both industry experts and academic researchers were highly insightful, offering a deep dive into the latest advancements in die casting technology. The cutting-edge developments showcased, especially in automation and material innovations, were truly impressive.

Additionally, the visit to Purdue University's Advanced Materials Lab provided valuable exposure to promising research in additive manufacturing and advanced materials. I am excited to explore the feasibility of implementing some of the technologies and practices observed during the trip within our own operations.

Thank you once again for this well-coordinated and enriching experience.

Pravinkumar V. Narake
Vice President- Technology
SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

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Thanks for arranging a wonderful NADCA visit and 3 days industrial trip. We met new customer in NADCA and they send some parts RFQ and they are visiting our plant at Hyderabad. Also we are not able to attend Bhuler Prince visit due to other customer. Finally the trip is useful to get new business opportunity and learning. Last day Chicago sightseeing and entire trip accommodation is taken care well by you and your team.

M. Gowrishankar
TYCHE CAST TECH PVT. LTD.

What to write in feedback, Every visit with you is excellent, We enjoyed a lot, food & accommodation were good. I most like compotech stall, Sweden, They are manufacturing machines for Aluminum components from semi solid metal Yes, very much, such exhibitions are an eye opener for any entrepreneur, they can see the latest technology in the global industry, automation in factories, work culture, sensitivity with employees, work methods/systems, cleanliness, and a much bigger vision for improvement and expansion.

Mahendra Patil
Partner
MAP ALLOYS

NADCA visit arranged by GDCTECH enriched our knowledge, practical experience & exposure, informative on latest trends in technology. The entire USA visit, along with NADCA exhibition was an unforgettable pleasant experience, which will remain etched in our memory for a long time. Thanks for excellent arrangement by GDCTECH for NADCA tour.

Jalindar B. Katkade
Director
CASTAL DIES & TOOLS

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Dear sir,

Greetings for the day... !!!

First of all thank you for arranging such a nice and organized delegation for NADCA and other industrial visits.. We have got so many valuable insights with which we can effectively transfer to our fellow colleagues and make our organizations technically advanced to compete in the global markets. It was a very good experience and provided a good opportunity for networking with our fellow die casters also..

One key insight which I personally understand is that our diecasting industry is growing in a much faster pace globally in terms of both sizes and technology when compared to our Indian diecasting. Even though we are technically skill full to compete with the global market, we need initiatives and facilities which needs to come from OEM's in terms of their product designs to facilitates structural aluminium components like

giga castings. I believe that Indian diecasting industry is moving in that direction and will reach the level in near future..

Regarding Industrial visits, All were nicely organized and perfectly executed . We saw and learned a lot of new technologies and practices which we are unaware of. Without this we could have missed the chances of gaining those insights. So I personally thank GDCTECH for selecting those companies and providing us the best.

Once again I thank you, & the overall team for organizing and executing such a nice offshore delegation program, which was successfully executed. Looking forward for another occasions to join with the team..

Rajaselvam.G

Head Design

DIETECH INDIA (P) LTD.

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IMPRESSIONS ON NADCA

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It was an honour to attend NADCA exhibition and conference at Indianapolis, Indiana. Had a great experience attending it with the great Die Casting dignitaries from India. Also had pro found interaction with the business owners from USA about the American die casting industry & had an phenomenal and bewildering experience of visiting Casting, Die Making and Car manufacturing plants in USA.

Akshay Bhagwat

Director

NOBLE CAST COMP. PVT. LTD.

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NADCA trip was first one for me with GDCTECH. My impression & suggestions are as below:

1. Overall the trip was very good, very well organised keeping in mind about the travel, stay & food options. Very well coordinated, my compliments for the same.
2. NADCA visit was very useful & informative to know about latest die casting industry trends, new technologies and making connections with the industry people. It has helped us in shortlisting and working with few potential partners, which shall help us in our Business.
3. Trip to the industries & few other places was useful, here I would like to comment that it would have been helpful to include more die casting plants (like Auto Cast Inc. in Michigan). Others were more for knowledge, but not very useful for our day to day working. My suggestion would be

to include more die casting plants going forward, in order to make it more attractive & useful.

4. Last suggestion would be to include more people from all around the country. In our trip, 80-90% population were from one region and the industry representation was not as desired.

Overall very good & useful trip and thanks a lot to the coordinating group for all their efforts to make this possible.

Amit Gupta
Business Head- Casting Division
UNO MINDA LTD.

IMPRESSIONS ON NADCA

Good morning Sir

My Impressions on NADCA visit

It was a great time for us by participating in this visit by GDCTECH.

There were very pleasurable arrangement made for travelling after reaching USA.

At NADCA we visited all stalls where we got the knowledge of the process and also the presentation how they are arranging the expo.

Also we had internal Indian customers discussing about their business which can help each other.

Also company visits arranged were very helpful to update our, Knowledge and also the layouts of setups they made, were interesting.

We visited Sibar car manufacturing company we

experienced their discipline of work and layout of process.

Buhler Prince machine manufacturing company gave us very good knowledge of bigger parts mfg process how they are mfg and maintaining accuracy of machine parts.

We also had good Indian dinners in Chicago and other places.

All industrial visits arrangements were very nice and upgraded our knowledge were Credit goes to GDCTECH management.

Thanks.

Shivaji R. Pawar
Director
SHIVA TOOL TECH

Recently, it was a great opportunity to attend the NADCA Conference at the Indiana Convention Center alongside leading professionals in the die-casting industry. This event, organized by the GDC Tech team, turned out to be an incredibly rewarding experience for me, offering invaluable insights into the latest technological innovations and advancements shaping the future of our industry.

The conference itself provided a rich blend of discussions on industry growth, emerging trends, and sustainable practices that will drive the next generation of die-casting solutions. The networking opportunities were particularly valuable, allowing us to connect with peers and leaders, exchange ideas, and establish contacts that will undoubtedly strengthen our future collaborations.

A special thanks goes to Mr. R.T. Kulkarni and the entire GDC Tech team for their exceptional planning and execution of this trip. Their

dedication and attention to detail made this experience both seamless and memorable, allowing us to focus on maximizing the learnings and interactions from the conference and company visits. Their efforts ensured that every aspect of the trip ran smoothly, from the itinerary to the coordination with host companies, making the journey truly enriching for everyone involved. This visit provided me with invaluable knowledge, fresh ideas, and a renewed perspective on industry trends, all of which I am eager to incorporate into upcoming projects. The connections established and the insights gained will undoubtedly enhance future initiatives, and I am grateful to the GDC Tech team for their hard work and dedication in making this experience so impactful.

Sagar Kaushik
Director

VICTORY PRECISIONS PVT. LTD.

IMPRESSIONS ON NADCA

I want to extend my heartfelt thanks to GDC Tech for organizing such an insightful and well-executed trip to the USA for NADCA 2024 (Chicago and Indianapolis). The exhibition and all the activities and industrial factory visits planned truly enriched our experience.

From being in the diecasting industry since past 24 years and dealing with the sales and service of diecasting machineries, these structured networking events help us to connect formally and informally and strengthen the collaborative aspect as well. The visit gave us a first-hand look at industry-leading technologies and operational practices, giving us a vision and knowledge on how to implement similar practices in our processes to enhance efficiency and productivity.

The attention to details in the logistics and the overall coordination were impressive, allowing us to focus on the exhibitions and engage fully with the presentations and discussions. We were able to exchange ideas and explore potential partnerships that could contribute to our growth in the future.

It was a privilege to be part of this trip, and we look forward to future opportunities like this!

Prabhu Vijendra Karkala
VISION DIECASTING, Bangalore
&
JAYLAXMI ENGINEERING SERVICE, Pune



**NADCA Awards
Ceremony
Luncheon**



Chicago Sightseeing



**Floor tour of BuhlerPrince plant
in Holland, Michigan, USA**



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