GENROBOTICS®

bandicoot™

Eliminating manual scavenging
from the world

GENROBOTIC INNOVATIONS

Genrobotics, the leading Robotics company in India, primarily focusing on designing and development of Robotic solutions to address the most relevant social issues, headquartered in Trivandrum, Kerala. Developing tailor-made products and services have keen importance in a world's prospering progression. Our innovation "Bandicoot"- manhole cleaning robot, has been making transformative changes in many sanitation workers who were daring themselves every time without thinking of the extremities hidden in the manholes and ensuring cleanliness to all. We are spearheading the perseverance to create, develop and implement systems of change that are beneficial to all sentient beings and to the environment- by triggering off the distressed elements on the people, fostering a better world to live in.

"For a long time, Robots are on board to transform our lives, we are inclined to think of ways to simplify life-risking situations and amplify livelihood through bringing the missing social space for Robots in our society. We are working on developing technologies assuring safety to the ones who face the extremities, through human-friendly robotic solutions."

—— Team Genrobotics

bandicoot™

The Bandicoot robots are now working over 14 states - including Uttar Pradesh, Madhya Pradesh, Gujarat, Punjab, Maharashtra, Andhra Pradesh, Assam, etc. The Voyage #missionrobohole and its benefits are yet to reach many corners and our journey is on. This beneficiary tool relieves man from the manhole cleaning process and eventually ends manual scavenging from the country for rooting a better life for all.

WIDELY RECOGNIZED AND PROMOTED BY

Ministry of Housing and Urban Affairs
Government of India

Smart City

Atal Mission for Rejuvenation and Urban Transformation

MAKE IN INDIA

KEY FEATURES

NO MANUAL ENTRY

MS ACT 13

TRAINING ASSISTANCE

GAS SENSING (TOXIC GAS)

MACHINE VISION

WATER RESISTANCE (IP68)

DETAILS

Compatible manholes : All Standard Manholes
Removable Wastes : Hard Rocks, Sand, Silt, Sludge, Non-biodegradable Wastes, etc.
Diving Capacity : 10M (Customizable)
Lifting Capacity : 125 KG (per cycle)
Operating Power : Electric AC (220-240V)

MISSION ROBOHOLE

CELEBRATING 2 YEARS OF BANDICOOT 2.0

On 2nd October 2018, The latest version Bandicoot 2.0 was launched in the presence of Hon'ble Prime minister of India, Shri. Narendra Modi and UN Secretary-General, Mr. Antonio Guterres in the International Sanitation convention held at Delhi, India. As it celebrates 2 years for the mission of ending Manual Scavenging, it has brought - still bringing several transformations in the community by allocating a systematic way for sanitation across the nations. Recently The Central Ministry of Housing and Urban Affairs of India has recognized the innovation as well as quoted Bandicoot 2.0, as an excellent example for enabling Zero Human-Intervention in the sewerage cleaning process.

YOUNG CHANGEMAKER AWARD 2020

Truly Honoured to receive, The Hindu BL Young Changemaker Award 2020 for inventing the 'Robotic Technology - Bandicoots to eliminate Manual Scavenging' from the Hon'ble vice president of India - Sri. Venkaiah Naidu. The Vice President while appreciating the innovations and quoted " As young professionals, your commitment to using technology for social good is worth emulation by others".

MISSION ROBO HOLE

A Mission to End Manual Scavenging

The **#Mission Robohole** is all for ending the demeaning practice of Manual Scavenging by changing manholes to roboholes while making sanitation workers into Robotic operators. Thereby redefine the whole sanitation system and also bucking up the lives.

TATA BRABO

For changing manholes into roboholes, Bandicoots all set to reach every corner of the world. The team has now partnered with BRABO Robotics, a 100% subsidiary company of Tata for the bulk production of the bandicoot robots.

GREATER MOHALI
(Punjab, India)

Bill and Melinda Gates Foundation has introduced Robotic Scavenging at GMADA, a step forward towards ending manual scavenging.

The Greater Mohali Area Development Authority has introduced the Bandicoot robots to clean manholes within the City. Robots were launched by Shri. Sarvjit Singh I.A.S, Principal Secretary, Department of Housing and Urban Development, in the presence of Eminent Scientist Padma Vibhushan Dr. R.A. Mashelkar, Dr. Shirshendu Mukherjee, Mission Director Programme Management Unit (PMU). Accessing Robotic assistance makes sanitation workers keep away from the hidden dangers in the manholes. Bill and Melinda Gates Foundation and their efforts and activities on bringing equity to every life is an extraordinary impeccable service, we are very thankful for their valuable support for missionrobohole and ending manual scavenging from society.

PURI
(Odisha, India)

Bandicoot voyage has reached its 14th state - Odisha. 14 not just simply a number to Bandicoot's deeply rooted #missionRobohole - it has completed it's long Halfway on the purpose of making India free from Manual scavenging. With the support of PHEO and WATCO, Odisha shores welcomed the Robotic scavenger - Bandicoot in nurturing a new sanitation culture by bringing endurance to the sanitation community. The Inauguration ceremony was pleased by the presence of Samir Ranjan Das, Education minister, Samarth Verma, collector - Cum - DM, Puri, Bijay Ku dash, eo puri municipality, Sarat Misha, GM, WATCO, Bhabanishankar Mohanty, AGM, WATCO.

PATNA
(Bihar, India)

Bihar- Patna switched to Robotic Manhole cleaning, ultimately transforming every manhole into roboholes. The Patna Municipal Corporation's vision of making transformative changes in the sanitation workers community and harnessing the modern age sanitation system is now a part of #missionRobohole. The launch happened in the presence of Mayor Seeta Sahu and Addl Commissioner Sheela Irani IPS (Sanitation Incharge) at Municipal Hall, Patna.

INDORE
(Madhya Pradesh, India)

" Indore" - India's cleanest city switched to Robotic Scavenging

'India's cleanest city - Indore' switched to Robotic scavenging for enabling zero-intervention with sewerage while cleaning the manholes. Indore is the very first municipal corporation of Madhya Pradesh using the Bandicoots for cleanliness and the safety of sanitation workers. With the great support of BPCL'S CSR, the launch and implementation of 5 units Bandicoot Robots successfully took place at the occasion of Gandhi Jayanti and sanitation program.

COIMBATORE SMARTCITY
(Tamil Nadu, India)

"Green flag off to end manual scavenging from Tamil Nadu"- #missionRobohole

Genrobotics are now teamed up with Coimbatore city to deploy a society free from unsafe working conditions. Hon'ble Minister of Tamilnadu S.P. Velumani flagged off the launch of 5 units -Bandicoot robots to the smart city. Tamil Nadu State authority is all the way ready to facilitate more Bandicoots for assistance in getting redemption from the two-decades-old demeaning practice manual scavenging, thereby bringing light on the lives of many. The Minister has quoted that " In the next phase, 34 Bandicoot 2.0 modern machines are to be procured for 34 cities in Tamil Nadu, We continue to take action to eliminate the scourge of human waste disposal".

NAGAPATTINAM
(Tamil Nadu, India)

More Robots on TN - Nagapattinam switched into Robotic scavenging

As a continuation of Tamil Nadu State's decision on implementing more Robotic Scavenging in the state, one more launch of Bandicoot #missionrobohole voyage reached - Nagapattinam with the support of CSR ONGC & NGO- Hand In Hand inclusive development and services, on making the city free from Manual scavenging and also helping the Worker's community to get rid of the various derides they have faced. Inaugurated by Asst. Collector Prasanth IAS in the presence of Chairman District Co-operative society Thiru. Thanga Kathir Avan with Municipal Commissioner Mr. Egaraj and other Govt officials along with ONGC higher officials.

RAMANATHAPURAM
(Tamil Nadu, India)

A New Robotic "Mugavai"(face) to Ramanathapuram - the land of Chronicles

The Land of Chronicles - Ramanathapuram has now got a Robotic depiction through Bandicoot. To end the death chronicles of Manual Scavenging in the state, once again with ONGC CSR and Hand in Hand Inclusive Development & Services' beckoning support, Ramanathapuram Municipality recently launched Bandicoot for enabling Zero human intervention in the manhole cleaning process of the region. The Bandicoot Robotic Scavenger inaugurated by Thiru. Dr.M.Manikandan - MLA, Ramanathapuram in the presence of - Thiru. Dinesh Ponraj Oliver IAS District Collector, Ramanathapuram, Thiru P.N. Maran Chief General Manager - ONGC, Mr. Rashid, Director of Genrobotics and other Govt officials along with ONGC higher officials. The place holding histories & art culture, beliefs harnessed a new storyline with Robotics towards Change.

GUJARAT
(Gujarat, India)

'Gujarat' to adapating more Bandicoot Robots

The Gujarat state is spearheading the allocation of More Bandicoot Robots to help and support sanitation workers in the state by enabling zero Human Intervention in the Manhole cleaning process, thereby underway the gears for the abatement of Manual Scavenging. The Launch at Gandhinagar Municipal Corporation was inaugurated by Deputy CM, Shri. Nitinbhai Patel, the ceremony was graced by many eminent persons' presence like Mayor of Gandhinagar MC, Ritanben Ketan Kumar Patel etc.

**Road & Buildings
Department Gujarat**

ANDHRA PRADESH
(Andhra Pradesh, India)

2 smart cities of AP welcomed Robotic scavenging

For the Safety of the sanitation workers and also effectively maintaining the city's Sewage system amid of COVID-19 second wave, The Municipal corporation of Visakhapatnam and the Municipality of Kakinada, Andhrapradesh took a forward step with Robotic scavengers to end manual scavenging. With the support of ONGC CSR and NGO - Hand in Hand Inclusive Development & Services had introduced Bandicoot robotic scavengers at these two major smart cities. As part of the Safai Mitra Suraksha Challenge and before the onset of these Covid 19 second wave, The Municipalities had initiated the pre-plans for mechanizing their sewage system with Bandicoot and to make the management of the sanitation system way easier.

FARIDABAD
(Haryana, India)

Faridabad moved to Robotic Scavenging

Haryana is set on the journey for equipping more Robotic scavengers. After the series launches of Bandicoot at Sirsa, Gurugram ,Bhiwani and now onwards Faridabad's Sanitation services are also under the protection of Bandicoot's surveillance. To cut down the risks associated with the cleaning process of manholes in this COVID 19 times, Govt officials took this immediate Robotic pre - precautionary action plan to face all the Second wave challenges. Hon'ble CM of Haryana, Manohar Lal Khattar, has launched the Robotic scavenger - Bandicoot by receiving the Robot key from Dr SSV Ramakumar Director(R&D) - IOCL.

SURAT
(Gujarat, India)

"Flowers for new beginnings - transformative deeds"!

While Launching Bandicoot Robot at Surat Municipal Corporation, Gujarat - have shared the words "From now onwards, Our Safai Karamcharis will be relieved from the dangers of cleaning gutters". It has become really a motivation to us on our mission robohole and its purpose of complete release from manual scavenging through the hands of cleaner workers, also uplift their lives by making them trained Bandicoot operators on the same.

GUWAHATI
(Assam, India)

"KEY to end manual scavenging and bringing up brighter smiles in lives" -
Very First Bandicoot Robot of the North-East Region!

In the presence of Hon'ble Minister - Siddhartha Bhattacharya, the very first Bandicoot Robot enrolled in the North-East region at Guwahati Municipal Corporation to help sewer workers. Enabling mechanized robotic solutions will make a greater relief for the sanitation workers and take their lives to a newer level. We are planning to wider the robotic assistance by reaching along through all the 7 sister states of the region.

GREATER NOIDA
(Uttar Pradesh, India)

The Greater Noida Industrial Development Authority, Uttar Pradesh, joined in the mission of triggering off manual scavenging and to safeguard sanitation workers especially amidst of COVID-19 pandemic spreading. Effectively Providing the mandated service in the manhole cleaning process is the need of the hour and the Bandicoots surely secure, keep the life of workers away from dangers.

SIRSA
(Haryana, India)

Assuring safety among sanitation workers as well as fostering a better hygiene system, Hon'ble minister Ranjit Singh welcomed Bandicoot Robots to Sirsa, Haryana. Sirsa has become the second district establishing the robotic aid for manhole cleaning in the state. As per the guidelines of National action, for building a mechanized sanitation ecosystem, state governments are keenly working all over on this.

INTERNATIONAL MARKET PRESENCE

DUBAI MUNICIPALITY
(UAE)

New partnership with the Dubai Municipal Authority

Recently signed a memorandum of understanding with Dubai authorities for facilitating and enabling advanced Robotic technology in Dubai municipalities services.
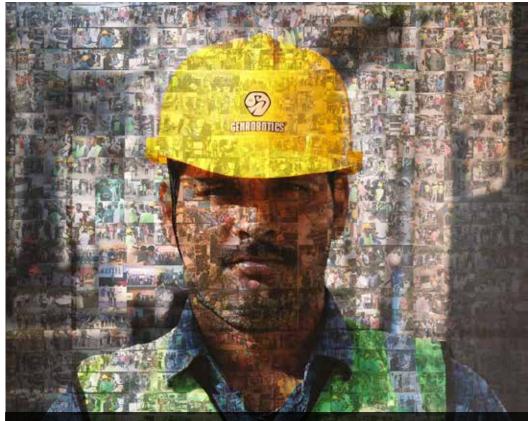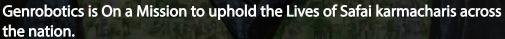

SHARJAH MUNICIPALITY
(UAE)

Looping the loop - Bandicoots to Sharjah

Bandicoots - the robotic scavenging all the way getting ready to receive mabrook from Sharjah very soon. With the Sharjah Digital Transformation Higher Committee Chairman Sheikh Fahim Sulthan Al Qasimi, Genrobotics signed an MOU on implementing robotic technology and AI in the country for various purposes.

MISSION ROBOHOLE EXPLORING INDIA

#MISSIONROBOHOLE

Now in
14 STATES

"Building a manual scavenging free India"

The Bandicoot robots are now working over 14 states - including Uttar Pradesh, Madhya Pradesh, Gujarat, Punjab, Maharashtra, Andhra Pradesh, Assam, etc. The Voyage #missionrobohole and its benefits are yet to reach many corners and our journey is on. This beneficiary tool relieves man from the manhole cleaning process and eventually ends manual scavenging from the country for rooting a better life for all.

Genrobotics is On a Mission to uphold the Lives of Safai karmacharis across the nation.

1070+ Manual scavengers Rehabilitated to Robotic operator to clean the manholes from 14+ states

REHABILITATION PROGRAM

Our obligation towards innovating sophisticated robotic solutions which ultimately for the welfare of society is making transformations in the lives of many. So far Hundreds of manual scavengers went through our rehabilitation process and became Robotic operators, in for harmonizing the livelihoods, and thereby, poised to bring social mobility.

USER FEEDBACK

"We always take every feedback as a constructive fuel for the innovations. The precious words emoted by our real heroes - Sanitation workers - it mean a lot to us. We consider it a laurel and make us do more. Remembers those genuine moments of happiness in theirs. With utmost gratitude towards our real heroes, sharing here some of those special moments."

Sachin Anand Yadav (Sanitation worker Mumbai, India) : "The Bandicoot has made a big difference, making life that much easier. It is very easy to operate the robot machine. I was initially doubtful whether I would able to master the controls. But after training, I find it very easy."

Sajan Kumar (Sanitation worker from Punjab, India) : "Bandicoot's camera shows me where the manhole sewer lines are blocked and helps me remove the blockage. The robot has made a world of difference to me."

Lingam (Sanitation worker from Thanjavur, India) : "Bandicoot is far better than a man entering the hole. It is easily accessible as well as pretty good to operate effortlessly. It is very easy to do this job now, the Robo machine itself captures the inside of manhole conditions, and no more need for man to enter the pit for cleaning. Now We can see inside the manhole without making an entry into it."

LET'S CHANGE **MANHOLES** TO **ROBOHOLES**

AWARDS AND RECOGNITION

AMRUT TECHNOLOGY CHALLENGE

AMRUT Tech Challenge Award by Ministry of Housing and Urban Affairs, Government of India on 'Promising Innovative Solution for cleaning and maintenance of sewerage systems which eliminates the need for human entry'.

ASIA INSPIRATION AWARD

Receiving Asia Inspiration Award 2018 from Mr. Ahmed Mahloof, Hon'ble Minister of Youth, Sports & Community Empowerment, Government of Maldives at South Asian Youth Summit, Sri Lanka.

INFOSYS AAROHAN SOCIAL INNOVATION AWARD

Received prestigious Infosys Aarohan Social Innovation Award from Mrs.Sudha Murthy Chairperson, Infosys Foundation with Nandan Nilekani, Chairman of Infosys.

NATIONAL STARTUP AWARD 2020

Recently, Startup India chose and recognized - Bandicoot 2.0 by awarding the 'National StartUp Award 2020' under the category Best Campus Initiated Startup in India.

ANJANI MASHELKAR INCLUSIVE INNOVATION AWARD

The Anjani Mashelkar Inclusive Innovation Award under the aegis of Anjani Mashelkar Foundation. The award received from the hands of Dr. R.A. Mashelkar in the inaugural session of the National Social Innovation Conference held at Pune International Centre.

BEST CORPORATE INITIATIVE AWARD

Received the award for the Best corporate Initiative in the sanitation sector for introducing a complete solution for manhole cleaning, during the sanitation conclave conducted at New Delhi by the India sanitation coalition and FICCI.

LEVEL NXT AWARD FOR THE BEST STARTUP

Genrobotics became one of the best 10 start-ups in India, selected by LevelNxt, India's most comprehensive scale-up program to recognize and nurture high-growth scale-ups ready to make #The NEXT big transition.

BEST START-UP INCUBATE AWARD BY DST ISBA

We were honored to receive the Best Startup Incubate Award by DST ISBA, in association with the Department of Science and Technology from the Hon'ble Governor of Kerala Shri. P Sathasivam.

FASTEST GROWING INDIAN COMPANY EXCELLENCE AWARD

Fastest Growing Indian Company Excellence Award 2018 by Intenational Achievers Conference at Bangkok, Thailand

ANANDA VIKATAN NAMBIKKAI AWARD

Honored with the most prestigious Ananda Vikatan Nambikkai Award for the invention of Bandicoot and its services to the society in the presence of Hon'ble Shri K. Shanmugam IAS (Chief Secretary | Govt of Tamilnadu), Shri C.K.Ranganathan (Founder-Chairman | CavinKare) and Shri Srinivasan B (Managing Director | Ananda Vikatan).

RECOGNISED BY

- NATIONAL STARTUP AWARDS 2020 By #startupindia
- Ministry of Housing and Urban Affairs — Government of India
- अमृत — Atal Mission for Rejuvenation and Urban Transformation
- Department of Commerce Ministry of Commerce & Industry Government of India
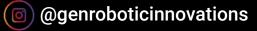- Department of Sciences & Technology Government of India
- TiE50 2021 WINNER
- BusinessLine CHANGE MAKER awards — RECOGNISING HUMAN CATALYSTS
- Aarohan SOCIAL INNOVATION AWARDS 2019 AVISHKAAR DIL SE
- Marico Innovation Foundation
- vikatan Nambikkai awards
- Smart City MISSION TRANSFORM-NATION
- ANJANI MASHELKAR INCLUSIVE INNOVATION AWARD

OUR PARTNERS

- Google Developers Launchpad
- TATA
- Dubai Future Accelerators
- Bharat Petroleum
- KERALA STARTUP MISSION
- FICCI
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- UNICORN INDIA VENTURES
- SEA FUND
- TiE DELHI NCR FOSTERING ENTREPRENEURSHIP
- INDIA INNOVATION GROWTH PROGRAMME 2.0 SOLUTIONS FOR TOMORROW
- ONGC
- HAND IN HAND INCLUSIVE DEVELOPMENT AND SERVICES
- IndianOil

GENROBOTICS

Innovation Beyond Technology