



Swachhcoin

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# ABSTRACT

IN THIS PAPER WE OFFER A COMPLETE OVERVIEW OF THE SWACHHCOIN FOUNDATION WHOSE AIM IS TO TRANSFORM WASTE INPUTS INTO USEFUL OUTPUTS OF HIGH ECONOMIC VALUE, LIKE BUT NOT LIMITED TO ENERGY, FERTILIZERS, POWER GENERATING GASES, ETC. IN THE MOST EFFICIENT WAY POSSIBLE BY LEVERAGING SOME OF THE MOST ADVANCED, COMING OF AGE TECHNOLOGIES. LISTED BELOW ARE SOME OF THE TERMINOLOGIES USED IN THIS PAPER FOR THE TECHNOLOGIES/MODELS DEVELOPED EXCLUSIVELY FOR AND BY SWACHHCOIN FOUNDATION.

**SWATEL** (SWACHH ADAPTIVE INTELLIGENCE): REFERS TO THE CUSTOMIZED APPLICATION OF ADAPTIVE INTELLIGENCE TECHNOLOGY TO INCREASE THE EFFICIENCY IN OPERATIONS, SPECIFICALLY IN THE PROCESSING OF THE WASTE TO PRODUCE THE DESIRED OUTPUT BY MAKING EQUIPMENTS 'INTELLIGENT'.

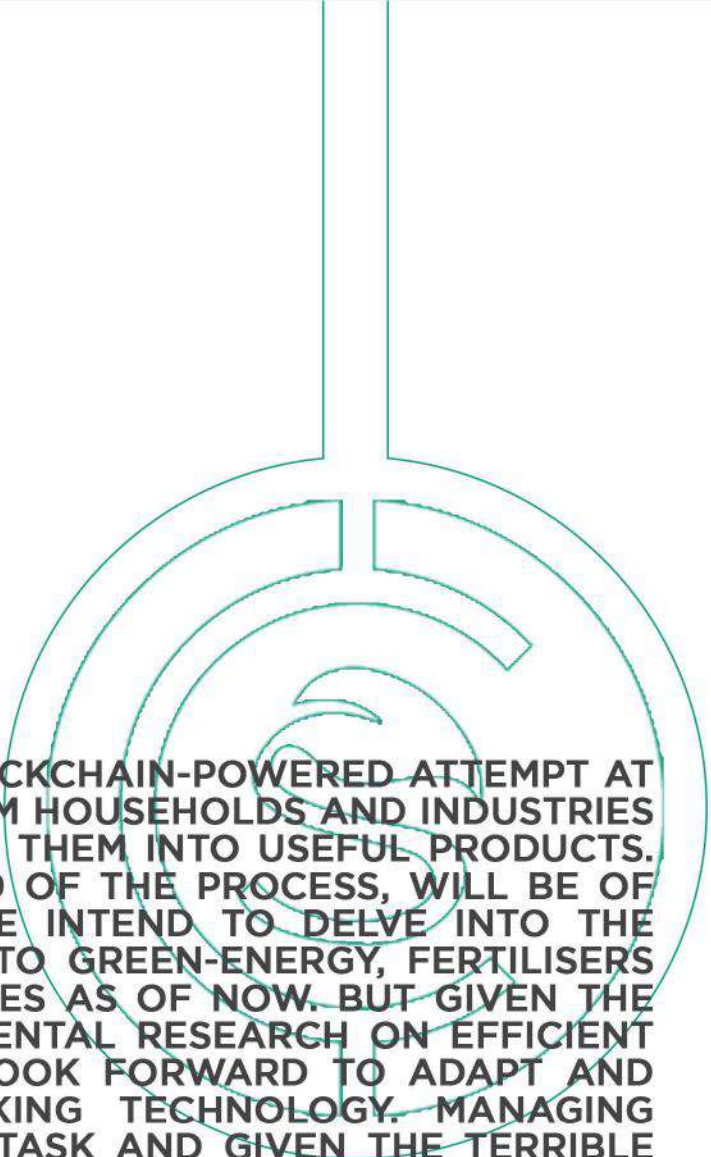
**SWATA** (SWACHH BIG DATA): REFERS TO THE CUSTOMIZED APPLICATION OF BIG DATA TO ENABLE INTEGRATION OF ADVANCED METHODS DURING TRANSPORTATION, COLLECTION, AND DISTRIBUTION OF VARIOUS INPUTS AND OUTPUTS AS WELL AS AUTOMATED MACHINERY DECISION BASED ON PAST EXPERIENCE.

**SWIOT** (SWACHH INTERNET OF THINGS): REFERS TO THE CUSTOMIZED APPLICATION OF INTERNET OF THINGS TO ENABLE COMPLETE REMOTE ACCESSIBILITY, CONTROL AND CONNECTIVITY OF INDOOR AND OUTDOOR WASTE PROCESSING EQUIPMENT AND THUS ENABLE DRAMATIC INCREASE IN EFFICIENCY.

**SWBIN** (SWACHH BINS): REFERS TO THE CUSTOMIZED WASTE COLLECTION BINS DESIGNED BY SWACHHCOIN HAVING VARIOUS FEATURES LIKE BUT NOT LIMITED TO, AUTOMATIC OPENING AND CLOSING LID, LINKED USER IDENTITY DATABASE, REWARD DISTRIBUTION, INTEGRATED WASTE SEPARATION, LED ADVERTISEMENT PANEL ETC.

**SWAPP** (SWACHH APP): REFERS TO THE PLATFORM INDEPENDENT USER INTERFACE HAVING FEATURES LIKE, ACCOUNT CREATION OR SIGNUPS, INTEGRATED SWACHH WALLET, TOKEN CREDIT SYSTEM, UNIQUE USER IDENTIFICATION, WASTE TO TOKEN RATE CHART, NEAREST SWBIN SITE LOCATION INTEGRATED WITH GOOGLE MAPS, REAL-TIME COLLECTION TRUCK LOCATION TRACKING, REAL-TIME SWBIN WASTE LEVEL STATUS AND COLLECTION SCHEDULE ETC. TO GIVE USERS CONVENIENT, EFFORTLESS WASTE DISPOSAL EXPERIENCE.

# INTRODUCTION



SWACHHCOIN IS A UNIQUE BLOCKCHAIN-POWERED ATTEMPT AT MICROMANAGING WASTES FROM HOUSEHOLDS AND INDUSTRIES AND EFFICIENTLY CONVERTING THEM INTO USEFUL PRODUCTS. THESE PRODUCTS, AT THE END OF THE PROCESS, WILL BE OF HIGHER ECONOMIC VALUE. WE INTEND TO DELVE INTO THE REALM OF, BUT NOT LIMITED TO GREEN-ENERGY, FERTILISERS AND POWER GENERATING GASES AS OF NOW. BUT GIVEN THE RAPID PROGRESS OF FUNDAMENTAL RESEARCH ON EFFICIENT PRODUCT CONVERSION, WE LOOK FORWARD TO ADAPT AND BETTER THE EXISTING WORKING TECHNOLOGY. MANAGING RESOURCES IS NOT A SIMPLE TASK AND GIVEN THE TERRIBLE STATE OF WASTE RESOURCES MANAGEMENT IN MOST COUNTRIES, SWACHHCOIN WILL HELP MODEL AN IDEAL SYSTEM. FOR A FOOLPROOF SYSTEM, EFFECTIVE DECENTRALISATION AND ROBUST MICROMANAGEMENT ARE THE UNDERPINNING. THIS IS WHERE THE BLOCKCHAINS TECHNOLOGY AND SEVERAL SUB-PROGRAMS OFFERED BY SWACHHCOIN COMES INTO PICTURE. OUR WILL IS TO CREATE A TRULY SUSTAINABLE, CLEAN COMMUNITY DEVELOPMENT AROUND THE WORLD WHILE IMPROVING THE ECONOMIC CONDITIONS OF ALL INDIVIDUALS PROFESSIONALLY ASSOCIATED WITH THE INDUSTRY IN ANY CAPACITY ALONG WITH THE DOMESTIC HOUSEHOLDS.

# PROBLEM

THE PROBLEMS RELATED TO GLOBAL WASTE MANAGEMENT ARE UNCOUNTABLE. SOME OF THEM ARE:

**EXCESSIVE GENERATION:** GENERATION OF WASTES HAS BEEN AN ACUTE PROBLEM FOR A LONG TIME NOW. QUOTING THE WORLD BANK REPORT, THE UNITED STATES IS SINGLE HANDEDLY RESPONSIBLE FOR GENERATING 250 MILLION TONS OF WASTES ANNUALLY. EVIDENTLY IT HAS THE HIGHEST PER-CAPITA WASTE GENERATION AMOUNTING TO ABOUT 4.6 POUNDS PER DAY.. CONSIDERING THESE FIGURES, AN AVERAGE CITIZEN IN THE UNITED STATES DISPOSES 1,200 POUNDS OF WASTES A YEAR. THESE DISCARDED WASTES COULD BE POTENTIAL COMPOST MATERIAL AND BE KEPT OUT OF LANDFILLS. SINCE THE 60'S, THE QUANTITIES OF WASTES GENERATED HAVE TRIPLED LEAVING US WITH A BIGGER BURDEN. DAY IN DAY OUT, THE USA THROWS AS MUCH WASTES AS TO FILL AROUND 60,000 GARBAGE TRUCKS. THE SEVERITY OF THE PROBLEM SEEMS ACUTE WHEN WE EXTRAPOLATE THE DATA FROM THE USA TO THE REST OF THE WORLD. QUOTING THE REPORT AGAIN, THE PER-CAPITA WASTE DISPOSAL IS EXPECTED TO RISE UP TO 1.5 KILOGRAMS PER DAY BY 2025. CONSIDERING TODAY'S AVERAGE OF 1.2 KILOGRAMS PER DAY, THIS IS A SIGNIFICANT 25% INCREASE.

**LANDFILL ISSUE:** LEACHATE AND EMISSIONS OF THE HARMFUL GREENHOUSE GASES ARE FREQUENTLY ASSOCIATED WITH LANDFILLS. A CLOSER LOOK AT THE QUALITATIVE CONTENTS OF THE WASTES PRODUCED REVEALS THAT MOST MATERIALS THAT END UP AS WASTES CONTAIN TOXIC MATERIALS. GRADUALLY THESE TOXIC SUBSTANCES PRECIPITATE AND LEACH OUT OF THE SOIL, EVENTUALLY ENTERING THE GROUNDWATER AND RENDERING THEM HAZARDOUS AND UNFIT FOR CONSUMPTION FOR YEARS TO COME. THE ORGANIC MATERIALS, COMPACTED AS A RESULT OF THIS, ARE COVERED DOWN WITHOUT BEING EXPOSED TO SOIL. THIS AFFECTS THE NATURAL AEROBIC PROCESS OF DECOMPOSITION BY INHIBITING OXYGEN THROUGH THE COVERING OF ORGANIC SUBSTANCES. THIS CONTRIBUTES TO THE PRODUCTION OF INFLAMMABLE, UNWANTED AND HARMFUL GREENHOUSE HOUSE GASES LIKE METHANE WHICH ARE LETHAL TO LIVING ORGANISMS.

**TOXICITY WASTE :** TONS OF TOXIC WASTES PRODUCED EACH YEAR, AMOUNTING TO AROUND 440 MILLION TONS, GIVES US A SNEAK-PEEK INTO A MUCH BIGGER PROBLEM. AN AVERAGE AMERICAN PRODUCES ABOUT 3200 POUNDS OF HAZARDOUS WASTES. THESE INCLUDE ALL SORTS OF MATERIALS - LIQUIDS, SOLIDS, CONTAINED GASES, SLUDGE, DISCARDED COMMERCIAL PRODUCTS LIKE PESTICIDES AND CLEANING FLUIDS AND BYPRODUCTS OF MANUFACTURING PROCESSES. URANIUM SEEMS TO BE A RATHER COMMON TOXIC POLLUTANT WITH THE UNITED STATES HAVING BILLIONS OF GALLONS OF IT'S GROUNDWATER POLLUTED BY IT. STUDIES IN THE US HAVE REVEALED PRESENCE OF 63.5 MILLION TONS OF RADIOACTIVE MATERIAL, OF WHICH URANIUM DERIVED FROM SPENT NUCLEAR FUEL BEING THE MOST PROMINENT, BURIED IN LANDFILLS, TRENCHES AND UNLINED TANKS.

**ORGANISED MISMANAGEMENT:** EVER SINCE WASTE-MANAGEMENT HAS EVOLVED INTO A PROFIT MAKING VENTURE, PEOPLE WHO OPINED IN FAVOUR OF SAFE AND EFFECTIVE WASTE-MANAGEMENT TECHNIQUES HAVE BEEN OUTMATCHED BY NEW INDUSTRIES WAITING TO INVEST IN THIS BUSINESS. EVERY INDUSTRY, INCLUSIVE OF THE WASTE-MANAGEMENT SECTOR, HAS BEEN A VICTIM OF ORGANIZED CORRUPTION - EITHER CONTROLLED BY CERTAIN INDIVIDUALS OR THROUGH SYSTEMATIC LOOTING. THESE CORPORATIONS HAVE NO REGARD FOR ENVIRONMENTAL IMPACTS AND DO NOT SEEM TO UNDERSTAND THE SEVERITY OF THE ISSUE.

**LOTS OF PLASTICS:** AROUND 8 MILLION METRIC TONS OF PLASTIC ENDS UP IN THE OCEANS EVERY YEAR WHICH IS EQUIVALENT TO FIVE GROCERY BAGS OF PLASTIC TRASH FOR EVERY FOOT OF COASTLINE AROUND THE GLOBE. ONLY 9 PERCENT HAS BEEN RECYCLED. THE VAST MAJORITY - 79 PERCENT - IS ACCUMULATING IN LANDFILLS OR SLOUGHING OFF IN THE NATURAL ENVIRONMENT AS LITTER AND AT A POINT, MUCH OF IT ENDS UP IN THE OCEANS, THE FINAL SINK. USING WORLD BANK DATA ON 192 COASTAL COUNTRIES, RESEARCHERS ESTIMATED THAT CHINA, THE MOST POPULOUS NATION, HAS THE MOST MISMANAGED PLASTIC WASTE PER YEAR AND ALSO GENERATES THE MOST PLASTIC DEBRIS THAT END UP IN THE OCEAN AT 28 PERCENT.

MISMANAGED WASTE MEANS THE MATERIAL IS LITTERED OR NOT PROPERLY DISPOSED OF-- MEANING THERE ISN'T A FORMALLY MANAGED WASTE MANAGEMENT SYSTEM.

# OBJECTIVE

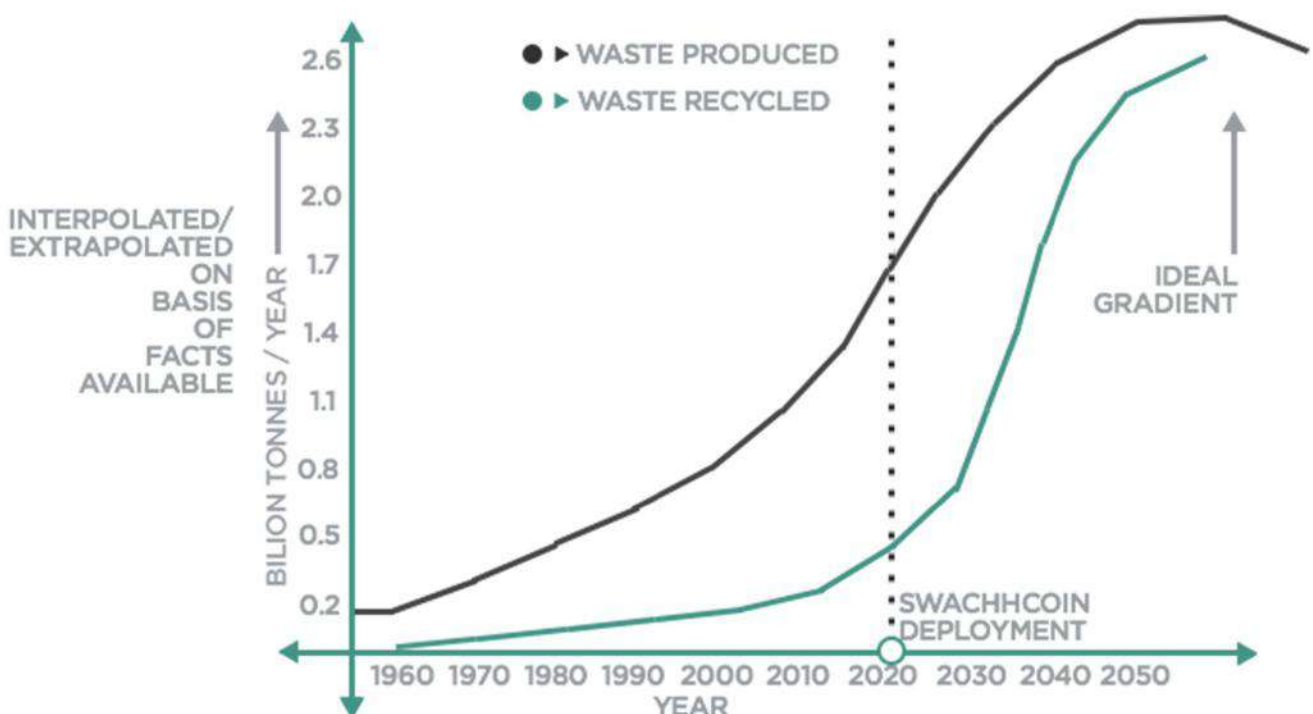
SWACHHCOIN AIMS TO CREATE A GLOBAL, DECENTRALISED WASTE MANAGEMENT NETWORK MAJORLY COMPRISING OF INDUSTRIES AND DOMESTIC HOUSEHOLDS. CREATION OF SUCH A NETWORK WILL ENABLE DEPLOYMENT OF AN EXTENSIVE INFRASTRUCTURE WHICH WILL PROVIDE THE NECESSARY IMPETUS FOR PROPER WASTE MANAGEMENT. THE PLANET THAT WE LIVE IN IS AT EVERY MOMENT PROGRESSING TOWARDS AN INEVITABLE DAY WHEN IT WILL BECOME INHABITABLE FOR HUMAN LIFE. THIS IS LARGELY DUE TO UNJUSTIFIED AND UNCONTROLLED EXPLOITATION OF RESOURCES AND IRRESPONSIBLE DISCARD OF USED MATERIAL WITHOUT A PROPERLY IMPLEMENTED DAMAGE CONTROL POLICY IN PLACE. SWACHHCOIN IS A MISSION TO CHANGE THE WAY PEOPLE PERCEIVE WASTE BY PROVING THEM THAT IT IS THE GREATEST UNTAPPED RESOURCE AVAILABLE TO MANKIND. SWACHHCOIN STRIVES TO IMPLEMENT A MONETARY INCENTIVISING MECHANISM WHERE PEOPLE ARE REWARDED FOR PROPER WASTE MANAGEMENT. THIS WILL OVER A PERIOD OF TIME INCULCATE THE HABIT OF PROPER WASTE MANAGEMENT AMONGST ALL. APART FROM CONTRIBUTING FOR THE BETTERMENT OF THE SURROUNDING, THIS PLATFORM WITH THE HELP OF MULTIPLE ADVANCED TECHNOLOGIES MAKES THE WASTE PROCESSING EXTREMELY PROFITABLE FOR THE WASTE MANAGEMENT INDUSTRIES, THUS CATALYSING WIDESPREAD ADOPTION AND NETWORK GROWTH. A VAST BUT DISORGANISED WASTE MANAGEMENT SYSTEM CURRENTLY PREVAILING DOES NOT HAVE THE ABILITY TO DEPLOY ADVANCED TECHNOLOGIES THAT CAN POTENTIALLY BRING ABOUT A COMPLETE CHANGE IN THEIR REVENUE. SWACHHCOIN WILL HELP THEM BRING ABOUT THIS CHANGE. ON GROUND LEVEL, WASTE MANAGEMENT SECTOR DIRECTLY AND INDIRECTLY EXPLOITS THE WORKER WHO WORK IN THE INHUMANE CONDITIONS ON MEARGE OR ALMOST NO PAYROLL IN THE ABSENCE OF ANY EMPLOYMENT CONTRACTS AND WORKER PROTECTION. SWACHHCOIN WILL AUTONOMOUSLY PROVIDE WORKERS ALL OF THESE THINGS. SWACHHCOIN WILL ALSO DEVELOP A PHILANTHROPIC INFRASTRUCTURE IN ORDER TO SERVE THE LESS FORTUNATE THROUGH ITS NETWORK-FEE CONTRIBUTION. THE FUNDS ACCUMULATED THROUGH THIS WILL BE FAIRLY AND TRANSPARENTLY DISTRIBUTED TO UPLIFT THEM AND INCREASE THE LIVING STANDARDS OF THE LAST PERSON IN THE SOCIETY.

***'THE SUM OF ALL THESE ACTIVITIES WILL ULTIMATELY SERVE HUMANITY AND MAKE THIS PLANET A BETTER PLACE TO LIVE IN.'***

**- SWACHHCOIN FOUNDATION**

# MARKET SCOPE

ACCORDING TO REPORT PUBLISHED BY UN, THE WORLD POPULATION WILL INCREASE FROM 7.6 BILLION TODAY TO 8.1 BILLION IN 2025, WITH MOST GROWTH IN DEVELOPING COUNTRIES AND MORE THAN HALF IN AFRICA. NEEDLESS TO SAY WASTE GENERATION IS GOING TO BE TREMENDOUS. SWACHHCOIN'S AIMS TO MAKE WHOLE OF WASTE MANAGEMENT SECTOR DECENTRALIZED, AUTONOMOUS AND TECHNICALLY ADVANCED SO THAT THE PROBLEM OF TOO MUCH WASTE AND LACK OF RESOURCES SUCH AS ENERGY AND OTHER POTENTIAL GOODS OF ECONOMIC VALUE THAT ARE PRODUCED UPON PROCESSING WASTE MATERIALS CAN BE MINIMISED IF NOT ELIMINATED. SWACHHCOIN'S DOMAIN OF ACTION RELIES IN THE AREA OF GAP BETWEEN THE TOTAL WASTE PRODUCED AND THE NET WASTE TREATED OR RECYCLED. CURRENTLY THE GAP BETWEEN THE TWO IS HIGHLY DISPROPORTIONATE. A CONSTANT AND SMART EFFORT IS REQUIRED TO DECREASE THIS GAP BETWEEN THE TWO. ALSO, SINCE THE WASTE GENERATION, IN SYNC WITH THE INCREASING POPULATION IS NOT EXPECTED TO DECREASE ANYTIME SOON, THERE WILL ALWAYS BE THE NEED TO COPE WITH IT AND THUS AN EVER INCREASING NEED OF SUCH A PLATFORM.





# PROPOSED SOLUTION

IT IS NOT A HIDDEN FACT THAT THE GLOBAL WASTE MANAGEMENT PROBLEM WE FACE CANNOT BE TACKLED BY A HANDFUL OF PEOPLE OR ORGANISATIONS. THE WILLINGNESS AND CONTRIBUTION OF MASS POPULATION IS KEY IN SUCCESSFULLY ACHIEVING OUR OBJECTIVE. THE BEST WAY TO ENCOURAGE PEOPLE TO PROPERLY MANAGE THEIR WASTES WILL BE TO INCENTIVIZE THEM MONETARILY AND RAISE THEIR AWARENESS ABOUT THE ISSUE. THIS IS THE CORE OF THE PROPOSED SOLUTION SWACHHCOIN OFFERS. ALSO, IT IS SCIENTIFICALLY PROVEN FACT THAT THE AMOUNT OF HIGH-ECONOMIC-VALUE OUTPUTS THAT CAN BE OBTAINED FROM THE ACCUMULATED WASTES IS TREMENDOUSLY REDUCED DUE TO VARIOUS TYPES OF WASTE BEING INTERMIXED, THUS DEGRADING THE UNIQUE PROPERTY/INDIVIDUALITY OF THE SAME. SWACHHCOIN WILL IMPLEMENT WASTE SEGREGATION AT SOURCE IN SWBINS TO ELIMINATE THIS PROBLEM. THE TRADITIONALLY RUNNING WASTE MANAGEMENT INDUSTRIES HAVE POOR INFRASTRUCTURE AND THE ARCHAIC TECHNOLOGIES AVAILABLE TO THEM GREATLY LIMITS THEIR OPERATIONAL ABILITIES. SWACHHCOIN WILL COMPLETELY ELIMINATE THIS PROBLEM AND TAKE THE TECHNOLOGICAL ABILITIES OF THE COMPANY TO THE STATE OF THE ART LEVEL, THUS INCREASING THEIR PROFITS SIGNIFICANTLY. THE ADDITIONAL REVENUE OBTAINED FROM DEPLOYING TECHNOLOGIES SUCH AS AI, BIG DATA, IOT AND BLOCKCHAIN WILL INCREASE THEIR EFFICIENCIES AND PROFITABILITY, THUS THE ADDITIONAL CAPITAL INVESTED IN UPGRADATION WILL BE JUSTIFIED. THE COST OF THESE ADDITIONAL INVESTMENT WILL ALSO BE COVERED FROM WAYS THAT ARE CURRENTLY ABSENT IN THIS SECTOR SUCH AS REVENUE OBTAINED FROM ADVERTISEMENT. WITH THE HELP OF EXTENSIVE RESEARCH AND DEVELOPMENT OF A COMPLETE BUSINESS PLAN, INCLUDING A BREAK EVEN POINT, WILL BE MADE AVAILABLE BY SWACHHCOIN THUS BREAKING THE BARRIER OF TECHNOLOGY ADOPTION.

# DIFFERENCE FROM OTHERS/ UNIQUENESS

THE PLATFORM OFFERED BY SWACHHCOIN IS UNIQUE IN NUMBER OF WAYS. CURRENTLY THERE ARE OTHER WASTE MANAGEMENT PLATFORM BUT NONE OF THEM ARE AS BROAD AND AS TECHNICALLY ADVANCED AS SWACHHCOIN. SOME OF THE FEATURES WHICH MAKES US UNIQUE ARE:

1. USERS ARE GIVEN MONETARY INCENTIVE TO MANAGE THEIR WASTE ,WHEREAS, TRADITIONALLY, PEOPLE USED TO PAY FOR THEIR WASTE TO BE COLLECTED FROM THEIR HOMES.
2. THE RANGE OF OUTPUTS PRODUCED AFTER PROCESSING THE WASTE ARE OVER TWENTY.
3. LEVERAGING NOT ONE, BUT FOUR MOST ADVANCED TECHNOLOGIES I.E. AI, BIG DATA, IOT AND BLOCKCHAIN.
4. FREEDOM TO SELL AND BUY PRODUCED OUTPUT IN BOTH FIAT AND TOKENS.
5. APART FROM PROFIT MAKING BUSINESS MODEL, OUR PLATFORM HAS INTEGRATED AUTONOMOUS PHILANTHROPY MECHANISM.

THE ABOVE MENTIONED KEY FEATURED MAKES THIS PLATFORM BETTER THAN ANY OTHER AVAILABLE AND YEARS OF RESEARCH, CORRECT PARTNERSHIPS AND DEVELOPMENT GIVES US EDGE OVER ANY DEVELOPING PLATFORM IN THIS DOMAIN.

# **INITIAL DEVELOPMENT AND PARTNERSHIP STRATEGY**

**IN ORDER TO KICKSTART THIS PROJECT, AND SCALE IT TO THE AIMED LEVEL, WE UNDERSTAND THAT WE NEED TO BUILD UP A NETWORK OF HIGHLY CAPABLE AND INFLUENTIAL PARTNERS WHO WILL CATALYSE THIS PROCESS. SWACHHCOIN IS ALREADY WORKING ON IT AND HAS BEEN SUCCESSFUL THUS FAR. WE HAVE FINALISED PARTNERSHIPS WITH NUMBER OF ORGANISATION AND ARE ALSO IN THE FINAL TALKS WITH MORE OF THEM TO COME ABOARD. THE NAMES OF OUR PARTNERS AND COLLABORATORS WILL BE STRATEGICALLY REVEALED AS SUGGESTED BY THE TEAM MANAGING OUR ICO CAMPAIGN. THIS PROCESS HAS ALSO BEEN MADE EASY WITH THE HELP OF OUR PARENT ORGANISATION COMMUNITY TECH LABS WHICH HAS EXPERIENCE OF LAUNCHING A NUMBER OF CRYPTOCURRENCY AND BLOCKCHAIN PROJECTS.**

**LARGE SCALE EXPANSION AND PLATFORM ADOPTION ON A GLOBAL SCALE OPENS UP LARGE SCALE MANUFACTURING OPPORTUNITIES TO MANUFACTURERS, PARTICULARLY THE TOOLS DEVELOPED BY SWACHHCOIN, NAMELY, SWBIN. VARIOUS LARGE SCALE MANUFACTURERS HAVE BEEN APPROACHED TO SETUP PLANS IN INDIA AND AT OTHER FEASIBLE LOCATION DEPENDING UPON THE ORGANISATION. WE ARE ALSO IN TALKS WITH GOVERNMENT ENTITIES TO FULFILL THEIR WASTE MANAGEMENT AMBITIONS USING THE BROAD AND ROBUST TECHNOLOGY DEVELOPED BY SWACHHCOIN.**

# OPERATIONAL DETAILS

**WASTE GENERATION:** INDIVIDUAL HOUSEHOLDS, DEPENDING UPON THE GEOGRAPHIC LOCATION AND ECONOMIC CONDITIONS, ON AN AVERAGE, BROADLY PRODUCE THREE TYPES OF WASTE WITH A COMBINED WEIGHT OF 5.479 KG'S DAILY. IN THE FIRST STEP OF OPERATIONS, THE WASTE FROM HOUSEHOLDS WILL BE TRANSFERRED TO SWBIN BY THE PERSON(S)/MECHANISM, ALREADY IN PLACE. THE PROCESS WILL BE CATALYSED BY SWAPP GIVING THE CONTRIBUTORS VARIOUS FEATURES AND FACILITIES SUCH AS SIGNUP, FINDING NEAREST SWBIN SITE, TRACKING THE WASTE LEVEL, COMPLAINTS, UPDATES AND MUCH MORE.

**SWBIN:** THE WASTE GENERATED WILL BE COLLECTED IN SWBIN TO BE PASSED ON TO THE WASTE COLLECTION AGENCIES. SWBIN WILL IDENTIFY THE CONTRIBUTOR OF WASTE, MEASURE THE QUANTITY AND CALCULATE THE REWARD PRICE TO BE PAID TO THE CONTRIBUTOR IN THE FORM OF SWACHH TOKENS. THE DATA WILL BOTH BE, STORED LOCALLY AND ALSO COMMUNICATED TO THE PROCESSING COMPANY. ADDITIONALLY, SWBIN WILL ALSO COMMUNICATE TO THE PROCESSING COMPANY WHEN THE SWBIN ARE NEEDED TO BE EMPTIED, THUS CONTRIBUTING IN OPTIMISATION OF COLLECTION NETWORK. ANOTHER IMPORTANT FACTOR HERE IS THAT ON THE PRODUCER END, THE DIFFERENT TYPES OF WASTES ARE INTERMIXED WITH EACH OTHER WHICH LIMITS THE NUMBER OF PRODUCTS OF HIGH ECONOMIC VALUE THAT CAN BE PRODUCED FROM THEM. THIS LIMITATION WILL BE HIGHLY REDUCED IF NOT ELIMINATED FROM THE WASTE SEPARATION AT SOURCE MECHANISM INTEGRATED IN SWBIN. THE BINS WHERE WASTE IS STORED FROM HOUSEHOLD CAN BE SMALL IN SIZE FOR NUMBER OF HOUSES FROM 1 UPTO 10 OR SO, AND LARGE FOR NUMBER OF HOUSEHOLD UPTO 100. EACH SWBIN WILL EITHER BE DIRECTLY ASSOCIATED WITH INDIVIDUAL OR WILL HAVE IDENTIFICATION MECHANISM IN PLACE. IN ORDER TO SERVE THE REQUIREMENTS RELATED TO SPECIFIC GEOGRAPHICAL LOCATIONS AND ENABLE EASY ADOPTION TO THE CURRENT MECHANISM IN PLACE, THE WASTE COLLECTION VANS WILL ALSO BE MODIFIED TO MOBILE SWBIN SO THAT, IN THE LOCATIONS WHERE WASTE IS COLLECTED DOOR TO DOOR, THE REWARD CAN BE GIVEN TO THE DOMESTIC HOUSEHOLD DIRECTLY WITHOUT INVOLVEMENT OF STATIC SWBIN. MOST IMPORTANTLY 79% COST OF THE SWBIN WILL BE COVERED FROM ADVERTISEMENT COMPANIES FOR PUTTING ADVERTISEMENTS ON LED PANELS ON SWBIN THROUGH A FAIR AND TRANSPARENT BIDDING PROCESS. ANOTHER IMPORTANT FEATURE OF SWACHHCOIN IS THAT THE DEPLOYED SWBIN WILL HAVE WIFI HOTSPOT ABILITY WHICH, BY PROVIDING HIGH SPEED INTERNET, WILL ALSO ATTRACT PEOPLE CONTRARY TO THE TRADITIONAL BINS WHICH CREATE UNHEALTHY ENVIRONMENT AND ARE REPELLING.

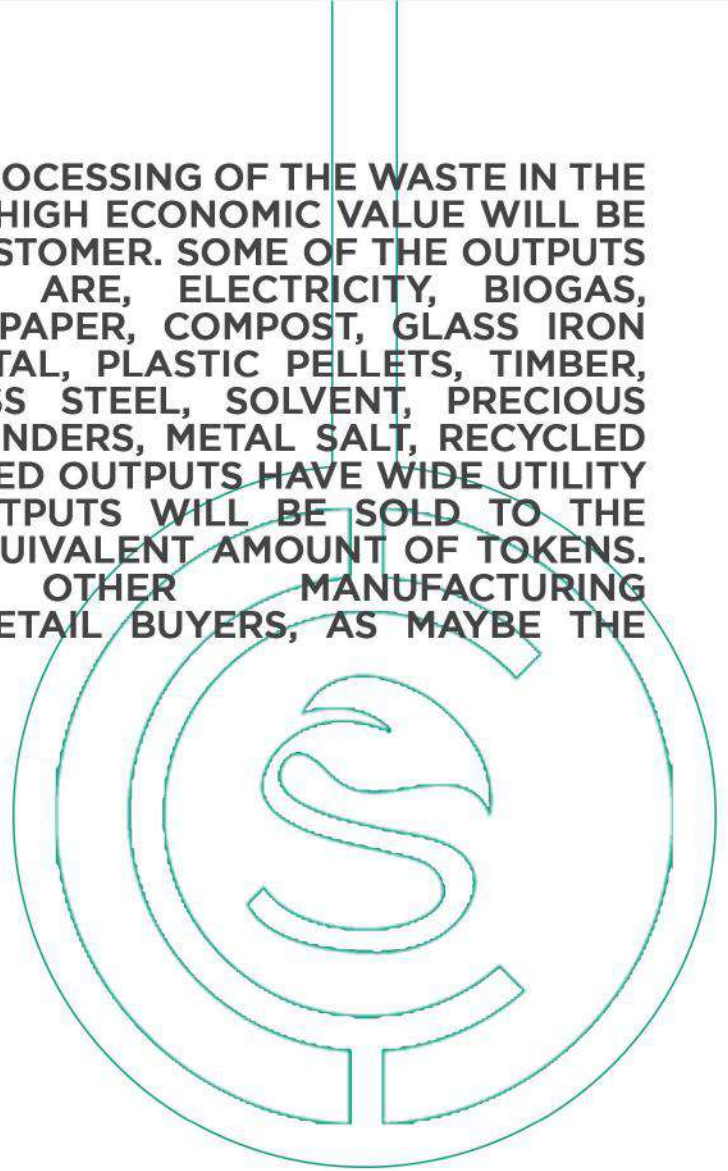
**TRANSPORTATION:** THE WASTE ACCUMULATED IN THE BINS WILL BE TRANSPORTED TO THE WASTE PROCESSING FACILITIES THROUGH A MAJOR BUT EFFECTIVE AND EASY MODIFICATION IN THE EXISTING NETWORK. ONCE A WASTE PROCESSING PLANT UPGRADES TO THE SWACHHCOIN MODEL, IT WILL HAVE ALL THE COMING OF AGE ADVANCED TECHNOLOGIES CUSTOMISED BY SWACHHCOIN TO BE USED IN WASTE PROCESSING INDUSTRY AT ITS DISPOSAL, ONE OF THEM BEING SWATA (SWACHH BIG DATA). SWATA WILL PROVIDE ENHANCED REAL TIME CUSTOMISATION OF ROUTE AND KEEP THE TRANSPORTATION TEAM INFORMED OF THEIR SCHEDULES AND PROBABILITY OF POSSIBLE CHANGES THAN CAN TAKE PLACE. REALTIME INFORMATION OF THE LOCATION AND ETA OF NEXT SCHEDULED WASTE COLLECTION WILL ALSO BE COMMUNICATED TO THE DOMESTIC USER THROUGH SWAPP.

**UPGRADATION IN WASTE PROCESSING PLANT:** ALL THE EQUIPMENTS PRESENT IN THE WASTE PROCESSING INDUSTRY WILL GO THROUGH AN EXTENSIVE UPGRADATION IN ORDER TO BE INTELLIGENTLY CONNECTED WITH EACH OTHER AND ACHIEVE THE AIMED EFFICIENCY AND PRODUCTIVITY. TRUCK ARRIVAL: THE PROCESS OF WASTE COLLECTION TRUCKS ARRIVAL INTO THE PROCESSING FACILITY WILL BE MADE COMPLETELY AUTOMATED AND PAPERLESS THUS SAVING VALUABLE TIME WASTE IN PAPERWORK, WEIGHING ETC.

**IN PLANT PROCESSING:** THE PROCESSING FACILITY WILL COMPLETELY OVERHAULED. ALTHOUGH PART OF THE FACTORY WILL VARY FROM PLANT TO PLANT SINCE VARIOUS FACTORS AND CONSTRAINTS HAVE TO BE KEPT IN MIND FOR AN EXISTING FACILITY, BUT IN AN IDEAL CASE, OUR AIM WILL BE ENFORCE THE FOLLOWING TRIED AND TESTED EFFICIENCY BOOSTING PRACTICES FOLLOWED IN VARIOUS INDUSTRIES SUCH AS JUST IN TIME, SCRUM, SIX SIGMA, TQM, ETC.

APART FROM THE ABOVE MENTIONED PROCESSES, THE KEY AND MOST UNIQUE FEATURE WILL BE THAT THE ENTIRE PROCESSING EQUIPMENTS WILL BE PAIRED AND BROUGHT IN SYNC WITH AI, BIG DATA, IOT AND BLOCKCHAIN. THIS ARRANGEMENT IN AN INDUSTRY WILL POSSIBLY BE A NEVER BEFORE PHENOMENA AND WILL BENEFIT IS AN ENDLESS NUMBER OF WAYS. THE EQUIPMENTS WILL FUNCTION IN THE MOST EFFICIENT WAY POSSIBLE AND PRODUCE HIGH QUALITY OUTPUTS FROM THE WASTE INPUTS

**OUTPUTS:** AFTER COMPLETE PROCESSING OF THE WASTE IN THE PLANT, VARIOUS OUTPUTS OF HIGH ECONOMIC VALUE WILL BE PRODUCED TO BE SOLD TO CUSTOMER. SOME OF THE OUTPUTS THAT WILL BE PRODUCED ARE, ELECTRICITY, BIOGAS, FERTILIZER, GLASS PLASTIC, PAPER, COMPOST, GLASS IRON MERCURY, NON FERROUS METAL, PLASTIC PELLETS, TIMBER, STEEL, SUBSTRATE, STAINLESS STEEL, SOLVENT, PRECIOUS METAL, CALCIUM SULPHATE BINDERS, METAL SALT, RECYCLED AGGREGATE ETC. THE PRODUCED OUTPUTS HAVE WIDE UTILITY ACROSS SECTORS. THESE OUTPUTS WILL BE SOLD TO THE BUYER, IN RETURN OF THE EQUIVALENT AMOUNT OF TOKENS. BUYERS CAN BE OTHER MANUFACTURING INDUSTRIES/FACTORIES OR RETAIL BUYERS, AS MAYBE THE CASE



# TOOLS AND TECHNOLOGY

THE UNIQUENESS OF THIS PROJECT LIES IN THE EXTENSIVE USE OF COMING OF AGE ADVANCED TECHNOLOGIES. AT SWACHHCOIN WE BELIEVE THAT MOST, IF NOT ALL PROBLEM THE WORLD FACES CAN BE SOLVED BY EFFICIENTLY DEVELOPING AND DEPLOYING ADVANCED TECHNOLOGIES. KEEPING THIS IN MIND, WE HAVE BROUGHT TOGETHER FEW OF THE MOST INNOVATIVE TECHNOLOGIES OF OUR TIMES, TOGETHER FOR THE SAME CAUSE OF SOLVING THE IMMENSELY HUGE PROBLEM OF WASTE MANAGEMENT THAT WE FACE THROUGHOUT THE WORLD. A DETAILED DESCRIPTION THE SAME IS AS GIVEN BELOW:

**SWATA:** SWATA STANDS FOR SWACHH BIG DATA. IT IS THE CUSTOMISED APPLICATION OF BIG DATA IN THE WASTE MANAGEMENT INDUSTRY DEVELOPED BY SWACHHCOIN EXCLUSIVELY TO CATALYSE OPTIMIZATION IN FREQUENT OPERATIONS. BIG DATA IN GENERAL REFERS TO COLLECTING AND STORING LARGE AMOUNT OF DATA IN ORDER TO EXTRACT USEFUL INFORMATION WHICH ENABLES SMART DECISION MAKING IN FUTURE. THE COLLECTED DATA MAYBE IN VARIOUS FORMS AND SIZE AND FROM VARIOUS SOURCES. SWATA COLLECTS, STORES VAST AMOUNT OF DATA AND SUGGESTS AS WELL AS EXECUTES FUNCTIONS IN AREAS RELATED BUT NOT LIMITED TO ROUTE OPTIMISATION, MAINTENANCE SCHEDULES, ETC.

**SWATEL:** SWATEL STANDS FOR SWACHH ADAPTIVE INTELLIGENCE. IT IS THE CUSTOMISED APPLICATION OF BIG DATA IN THE WASTE MANAGEMENT INDUSTRY DEVELOPED BY SWACHHCOIN EXCLUSIVELY TO MAKE THE MACHINERY AND EQUIPMENTS PRESENT INSIDE THE PROCESSING PLANTS AND OUTDOOR SWABINS INTELLIGENT WHICH ENABLES COMMUNICATION AND COORDINATION BETWEEN VARIOUS PARTS OF THE FACILITY. IT HAS PROVEN TO BE GREATLY EFFICIENCY BOOSTING AND SAVING CAPITAL IN THE LONG RUN.

**SWIOT:** SWIOT STANDS FOR SWACHH INTERNET OF THINGS. IT IS THE CUSTOMISED APPLICATION OF INTERNET OF THINGS IN THE WASTE MANAGEMENT INDUSTRY DEVELOPED BY SWACHHCOIN. INTEGRATION OF INTERNET OF THINGS SPECIFICALLY ENABLES REMOTE CONTROL, MODIFICATION AND ADAPTATION OF MACHINERIES AS PER THE REQUIREMENTS AND INSTRUCTIONS PASSED ON BY THE CONTROLLER.

**BLOCKCHAIN:** BLOCKCHAIN, DEVELOPED IN 2008, IS A DISTRIBUTED LEDGER WHICH IS A CONTINUOUSLY GROWING RECORDS ON WHAT IS TERMED AS 'BLOCKS' CONSISTING OF PEER TO PEER TRANSACTION. THE TECHNOLOGY HAS BEEN CLAIMED BY MANY TO BE THE BIGGEST INVENTION IN THE DIGITAL WORLD SINCE THAT OF WORLD WIDE WEB. IT HAS VAST NUMBER OF APPLICATION THROUGHOUT MANY INDUSTRIES. ONE OF THE MAJOR APPLICATION BEING CRYPTOCURRENCIES. ALL THE TRANSACTIONS HAPPENING IN A FACTORY WHICH IS ON SWACHHCOIN MODEL WILL BE ON BLOCKCHAIN. THIS WILL ENSURE COMPLETE TRANSPARENCY, EASY AUDITING AND MANY MORE BENEFITS.

**ETHEREUM:** ETHEREUM IS A DECENTRALIZED PLATFORM THAT RUNS SMART CONTRACTS: APPLICATIONS THAT RUN EXACTLY AS PROGRAMMED WITHOUT ANY POSSIBILITY OF DOWNTIME, CENSORSHIP, FRAUD OR THIRD-PARTY INTERFERENCE. THESE APPS RUN ON A CUSTOM BUILT BLOCKCHAIN, AN ENORMOUSLY POWERFUL SHARED GLOBAL INFRASTRUCTURE THAT CAN MOVE VALUE AROUND AND REPRESENT THE OWNERSHIP OF PROPERTY. THIS ENABLES DEVELOPERS TO CREATE MARKETS, STORE REGISTRIES OF DEBTS OR PROMISES, MOVE FUNDS IN ACCORDANCE WITH INSTRUCTIONS GIVEN LONG IN THE PAST (LIKE A WILL OR A FUTURES CONTRACT) AND MANY OTHER THINGS THAT HAVE NOT BEEN INVENTED YET, ALL WITHOUT A MIDDLEMAN OR COUNTERPARTY RISK. THE ABOVE CHARACTERISTICS WILL BE INTEGRATED AS IT IS IN THE SWACHH DAPP, KNOWN AS SWAPP.

**SMART CONTRACT:** SMART CONTRACTS ARE SELF-EXECUTING CONTRACTS WITH THE TERMS OF THE AGREEMENT BETWEEN BUYER AND SELLER BEING DIRECTLY WRITTEN INTO LINES OF CODE. THE CODE AND THE AGREEMENTS CONTAINED THEREIN EXIST ACROSS A DISTRIBUTED, DECENTRALIZED BLOCKCHAIN NETWORK. SMART CONTRACTS PERMIT TRUSTED TRANSACTIONS AND AGREEMENTS TO BE CARRIED OUT AMONG DISPARATE, ANONYMOUS PARTIES WITHOUT THE NEED FOR A CENTRAL AUTHORITY, LEGAL SYSTEM, OR EXTERNAL ENFORCEMENT MECHANISM. THEY RENDER TRANSACTIONS TRACEABLE, TRANSPARENT, AND IRREVERSIBLE.



# RURAL WELFARE PROGRAM

TODAY, WHEN WE DISCUSS ABOUT THE PROBLEM OF WASTE MANAGEMENT AND ARCHITECT A SYSTEM TO OVERCOME THEM, THE ENTIRE SYSTEM IS DESIGNED KEEPING IN MIND ONLY THE URBAN POPULATION WITHOUT REALISING THAT THERE ARE 3.4 BILLION PEOPLE WORLDWIDE LIVING IN RURAL AREAS. SWACHHCOIN IS A BROAD WASTE MANAGEMENT PLATFORM NOT ONLY IN THE SENSE OF TAKING VARIETY OF INPUTS AND CREATING A VARIETY OF OUTPUTS OF HIGH ECONOMIC VALUE FROM IT, BUT ALSO BECAUSE IT PLANS TO BE A PLATFORM FOR EVERY SECTION OF THE SOCIETY, IN EVERY GEOGRAPHIC LOCATION WORLDWIDE, WEATHER BE IT RURAL OR URBAN. THERE ARE A NUMBER OF CHALLENGES IN APPLYING THE DESIGNED WASTE MANAGEMENT PLATFORM IN RURAL AREAS, BE IT SOCIAL, ECONOMIC AND TECHNOLOGICAL. THESE CHALLENGES REPEL THE BUSINESS ORGANISATION FROM WORKING IN THE RURAL REGION SINCE THEY EYE TO TAP THE OPPORTUNITY OF GENERATING MORE AND MORE REVENUE WHENEVER POSSIBLE. SWACHHCOIN UNDERSTANDS THAT WASTE IS GENERATED EVERYWHERE. WEATHER IT IS URBAN AREA OR RURAL AREA. IT IS TRUE THAT THE RURAL AREA DOES NOT GENERATE AS MUCH WASTE AS THE URBAN AREA AND ALSO THAT MOST OF THE RURAL AREAS DO NOT FACE AN IMMINENT ISSUE OF WASTE MANAGEMENT, BUT IT IS A HARD FACT THAT IF ADEQUATE STEPS ARE NOT TAKEN, THEN THEY WILL REACH THAT POINT SOMEWHERE DOWN THE LINE. ANOTHER IMPORTANT FACT HERE IS THAT THERE IS TREMENDOUS SCOPE OF DEVELOPMENT AND IMPROVING THE QUALITY OF LIFE OF PEOPLE IN RURAL AREAS. SWACHHCOIN WILL WORK FOR BOTH THE ABOVE MENTIONED ISSUES.

THE OUTLINE OF THE PROCESS IS AS MENTIONED BELOW:

WE PLAN TO SETUP A WASTE STORAGE FACILITY, INITIALLY IN A FEW VILLAGES AND INCREASE THIS NUMBER OVER TIME. VILLAGERS WILL BE ENCOURAGED TO STORE THEIR WASTE IN THE WASTE STORAGE FACILITY. THE STORED WASTE MAY SIT IN THE WASTE STORAGE FACILITY FOR A PERIOD OF UPTO 3 DAYS WITHOUT COMPROMISING WITH THE QUALITY OF THE OUTPUT THAT CAN BE EXTRACTED FROM THE WASTE. THE WASTE WILL BE COLLECTED FROM THE WASTE STORAGE FACILITY FROM TIME TO TIME AND IN RETURN, VILLAGE WILL RECEIVE MONETARY REWARD IN THE FORM OF RURAL WELFARE FUNDS BASED ON THE CALCULATIONS DONE BY SWBIN REWARD CALCULATOR. THE REWARD WILL BE USED IN DEVELOPMENT OF VILLAGE AS A WHOLE.

**NOTE:** RURAL WELFARE PROGRAM IS AN INNOVATIVE PROGRAM WHICH WILL BENEFIT A LARGE AUDIENCE BUT IS NOT A PHILANTHROPIC WORK OR CHARITY. THE SAME IS SUPPORTED BY THE FUNDS GENERATED FROM COLLECTING THE WASTE FROM THE PARTICULAR REGION.

# PHILANTHROPY

THE ABILITY TO GENERATE REVENUE GREATER THAN THE CURRENT WORKING MODELS IN THE INDUSTRY GIVES US THE ABILITY AND RESPONSIBILITY TO WORK FOR THE BETTERMENT OF THE LESS FORTUNATE PEOPLE IN THE SOCIETY, PARTICULARLY ASSOCIATED WITH THE WASTE MANAGEMENT INDUSTRY. THE BLOCKCHAIN TECHNOLOGY INTEGRATED IN OUR SYSTEM MAKES IT COMPLETELY TRANSPARENT. IT ELIMINATES THE POSSIBILITY OF FUNDS NOT BEING DISTRIBUTED TO THE PERSON/ORGANISATION IT IS INTENDED TO, WHICH IS DEFINITELY NOT THE CASE WITH THE EXISTING TRADITIONAL MODEL, INCLUDING OF THE GOVERNMENTS THROUGHOUT THE WORLD. WE WILL ENGAGE IN OUR PHILANTHROPIC WORK IN THE FOLLOWING WAYS:

1. OF ALL THE CONTRIBUTIONS RECEIVED IN OUR CROWDSALE, 0.3% OF THE TOTAL FUNDS WILL BE DONATED TO VARIOUS ORGANISATIONS.
2. ORGANISATION. THEIR DETAILS WILL BE UPDATED ON THIS PAGE AND THE SAME CAN BE VERIFIED ON THE BLOCKCHAIN.
3. A 1.5 % OF THE REWARDS DISTRIBUTED TO THE HOUSEHOLDS WILL BE ALLOCATED TO SWACHHCOIN FOUNDATION AND WILL BE USED FOR PHILANTHROPIC CAUSES AND COVERING DAY TO DAY EXPENSES OF SWACHHCOIN FOUNDATION
4. 4% OF THE TOKENS PAID FOR ADVERTISEMENT ON SWBIN WILL BE ALLOCATED TO SWACHHCOIN FOUNDATION AND WILL BE USED FOR PHILANTHROPIC CAUSES AND COVERING DAY TO DAY EXPENSES OF SWACHHCOIN FOUNDATION

**NOTE:** RURAL WELFARE PROGRAM IS AN INNOVATIVE PROGRAM WHICH WILL BENEFIT A LARGE AUDIENCE BUT IS NOT A PHILANTHROPIC WORK OR CHARITY. THE SAME IS SUPPORTED BY THE FUNDS GENERATED FROM COLLECTING THE WASTE FROM THE PARTICULAR REGION.

# TOKEN STRUCTURE

TOTAL NUMBER OF TOKENS: 400 MILLION

CROWDSALE: 69%

TEAM: 9%

SWACHH VAULT: 8%

ADVISORS, PARTNERS: 7%

BOUNTY: 6%

PHILANTHROPY: 3%

## FUNDING GOALS

IN ORDER TO BUILD THIS PLATFORM AND SCALE IT TO THE PLANNED LEVEL, AS PER OUR ESTIMATE, WE DO NOT REQUIRE MORE THAN 25 MILLION USD. HENCE, THE HARD CAP FOR THE TOKEN SALE WILL BE 25 MILLION USD. ALSO IF WE ARE NOT SUCCESSFUL IN RAISING 25 MILLION USD, WE WILL STILL BE EFFICIENTLY ABLE TO LAUNCH THIS PROJECT BY RAISING A MINIMUM OF 6 MILLION. HENCE THE SOFT CAP FOR THE TOKEN SALE WILL BE 6 MILLION USD. IN CASE WE DO NOT REACH OUR SOFT CAP, BOARD MEETING WILL BE ORGANISED TO DISCUSS IF THE PROJECT CAN BE LAUNCHED WITH THE RAISED AMOUNT. IF THE RAISED AMOUNT IS NOT ENOUGH TO LAUNCH THE PROJECT, ALL THE CONTRIBUTIONS WILL BE RETURNED TO THE INVESTORS WITHIN A PERIOD OF 7 DAYS AFTER THE END OF TOKEN SALE.

## PROJECTED USE OF CONTRIBUTIONS

AFTER THE END OF TOKEN SALE, THE RAISED FUNDS WILL BE ALLOCATED AS MENTIONED BELOW

### ASSET ALLOCATION

PLATFORM AND MODEL PLANT DEVELOPMENT: 70%

WORKING CAPITAL: 10%

MARKETING: 5%

TREASURY: 10%

BLOCKCHAIN DEVELOPMENT: 5%

THE ABOVE MENTIONED ALLOCATIONS HAVE BEEN FINALISED AFTER PROPER RESEARCH AND EVALUATION AND CAN BE ASSUMED TO BE FOLLOWED UNDER ALL CIRCUMSTANCES. ANY UNLIKELY MARGINAL DEVIATIONS WILL BE MADE PUBLIC AS PER OUR TRANSPARENCY POLICY

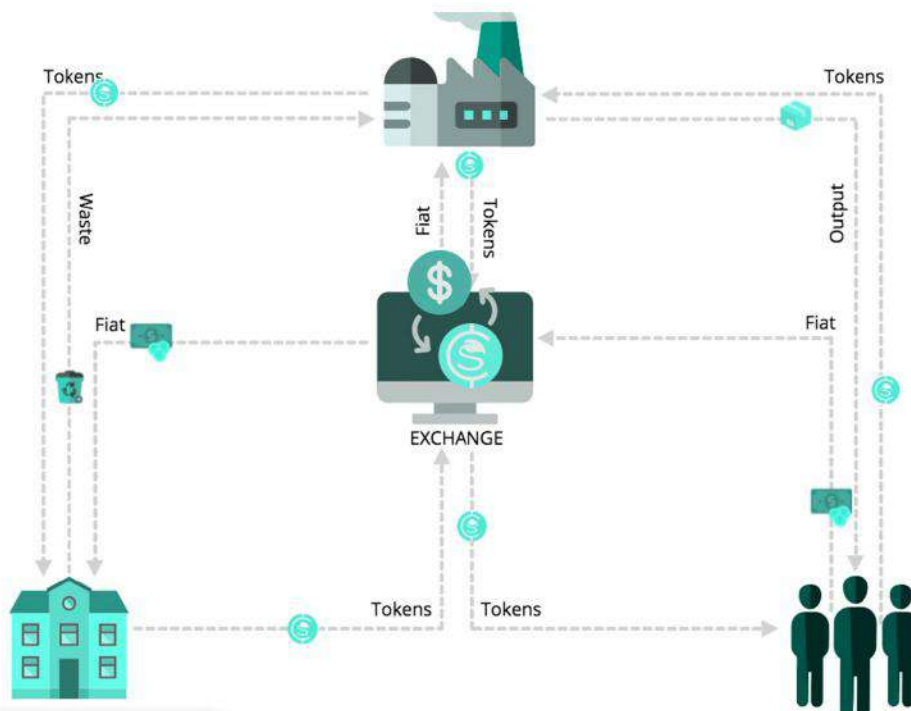
# TOKEN ECONOMY

SWACHHCOIN AIMS TO REVOLUTIONISE WASTE MANAGEMENT BY CREATING A TOKEN THAT WILL BE USED TO PROVIDE MONETARY INCENTIVE PRIMARILY TO THE DOMESTIC HOUSEHOLDS. THE WASTE PROCESSING INDUSTRY WILL BE AT THE CORE OF FUELING THIS ECONOMY.

PRODUCT BUYER WILL BE ABLE TO RECEIVE THE GOODS AND SERVICES PRODUCED BY THE WASTE PROCESSING INDUSTRIES AT A CHEAPER PRICE IN TOKENS COMPARED TO THE TRADITIONAL FIAT CURRENCY. THIS WILL CREATE THE DEMAND FOR TOKENS WHICH CAN BE FULFILLED FROM VARIOUS EXCHANGES.

WASTE PROCESSING INDUSTRIES WILL USE A PART OF THE TOKENS RECEIVED FROM THE PRODUCT BUYER TO AWARD MONETARY INCENTIVE TO THE DOMESTIC HOUSEHOLDS AS WELL AS SELL THE OTHER PART ON THE EXCHANGES TO MEET THEIR DAY TO DAY OPERATION AND PROFITABILITY. DOMESTIC HOUSEHOLDS WILL BE ABLE TO SELL THE REWARDS RECEIVED FOR PROPER WASTE MANAGEMENT ON THE EXCHANGES AS WELL AS USE THEM FOR VARIOUS UTILITY PURPOSES OFFERED BY SWACHHCOIN

**WASTE PROCESSING INDUSTRIES**  
WILL USE THE PART OF THE TOKENS RECEIVED FROM THE PRODUCT BUYER TO AWARD MONETARY INCENTIVE TO THE DOMESTIC HOUSEHOLD AND OTHER PARTS ON THE EXCHANGE TO MEET THERE DAY TO DAY OPERATIONS AND PROFITABILITY.



**WASTE PROCESSING INDUSTRIES**  
WILL USE A PART OF THE TOKENS RECEIVED FROM THE PRODUCT BUYER TO AWARD MONETARY INCENTIVE TO THE DOMESTIC HOUSEHOLD AS WELL AS SELL THE OTHER PART ON THE EXCHANGES TO MEET THEIR DAY TO DAY OPERATION AND PROFITABILITY.

**PRODUCT BUYER**  
WILL BE ABLE TO RECEIVE THE GOODS AND SERVICES PRODUCED BY THE WASTE PROCESSING INDUSTRIES AT A CHEAPER PRICE IN TOKENS COMPARED TO THE TRADITIONAL FIAT CURRENCY. THIS WILL CREATE THE DEMAND FOR TOKENS WHICH CAN BE FULFILLED FROM VARIOUS EXCHANGES.

# VALUE APPRECIATION

THE VALUE APPRECIATION OR DEPRECIATION OF A CRYPTOCURRENCY, JUST LIKE ANY OTHER COMMODITY THEORETICALLY HAPPENS ON THE SIMPLE SUPPLY AND DEMAND MODEL. THE MORE THE DEMAND AND LESSER THE SUPPLY, GREATER THE PRICES AND VICE VERSA. MORE SPECIFICALLY, THERE SHOULD BE A COMPELLING REASON FOR THE MASS AUDIENCE TO SEE THEIR PERSONAL UTILITY AND MONETARY BENEFITS FOR HOLDING TOKENS ONCE THE PLATFORM IS DEPLOYED. SWACHHCOIN MODEL PRESENTS NUMEROUS SUCH REASONS.

THE VARIETY OF OUTPUTS THAT WILL BE PRODUCED AFTER PROCESSING THE WASTE MATERIAL WILL BE SOLD GLOBALLY TO VARIOUS CUSTOMERS. CUSTOMERS HERE WILL MAINLY CONSIST OF LARGE SCALE INDUSTRIES WHO REQUIRE RAW MATERIAL TO FURTHER PRODUCE THEIR OWN PRODUCTS. WASTE PROCESSING INDUSTRIES WILL SUPPLY RAW MATERIAL TO THEM IN THE FORM OF OUR OWN OUTPUT. SWACHHCOIN'S BREAKTHROUGH OPERATIONAL EFFICIENCIES WILL ENABLE SALE OF OUTPUTS AT A CONSIDERABLY CHEAPER PRICE IN TOKENS. HENCE THERE IS A HUGE POTENTIAL DEMAND AMONG THE INDUSTRIES SINCE THEY WILL BE ABLE TO PROCURE THEIR RAW MATERIAL AT CHEAPER PRICE THROUGH SWACHH TOKENS. THIS IS ONE OF THE CASE OF HUGE TOKEN DEMAND, HENCE POTENTIAL VALUE APPRECIATION.

SWACHHCOIN WILL PRODUCE A HUGE DECENTRALISED ADVERTISEMENT PLATFORM WHERE INDIVIDUAL USERS WILL BE ABLE TO DISPLAY ADVERTISEMENT OF THEIR CHOICE AT A LOCATION OF THEIR CONVENIENCE ON THE LED PANEL OF SWBIN . THE PAYMENT OF DISPLAYING ADVERTISEMENT WILL BE MADE THROUGH SWACHH TOKENS FOLLOWING A TRANSPARENT BIDDING PROCESS. THIS IS ANOTHER CASE OF HUGE TOKEN DEMAND AND HENCE POTENTIAL VALUE APPRECIATION.

SWACHH TOKENS, WITH RAPID ACCEPTANCE CAN ALSO BE USED A PAYMENT SYSTEM, PARTICULARLY FOR TRADING THE OUTPUTS OBTAINED AFTER WASTE PROCESSING GLOBALLY.

# **CRISIS MANAGEMENT**

**CRISIS CAN HAPPEN IN ANY ORGANISATION AT ANY TIME FOR NUMEROUS REASONS. SOME CAN BE FORESEEN AND OTHERS NOT. THERE CAN ALSO BE NUMEROUS ACCOUNTABLE AND UNACCOUNTABLE FACTORS THAT CAN CONTRIBUTE TO THE SAME. SOME OF THESE FACTOR MAY OR MAY NOT BE IN THE CONTROL OF THE ORGANISATION IN QUESTION. IT TAKES YEARS OF UNDERSTANDING AND PLANNING TO BE PREPARED AND ABLE TO COPE UP WITH THE ADVERSITIES ARISING FROM THE SAME. THE DOMAIN IN WHICH SWACHHCOIN WORKS IS RELATIVELY NEW AND IS MORE OR LESS PRONE TO THESE THINGS AS SUGGESTED BY MANY INDUSTRY EXPERTS.**

**SWACHHCOIN, IN ORDER TO COPE UP WITH SUCH AN EVENT HAS THE FOLLOWING ARRANGEMENTS IN PLACE AND WILL ALSO KEEP WORKING ON THE SAME TO IMPROVE CONTINUOUSLY:**

- 1. A TREASURY WILL BE MAINTAINED OUT OF WHICH, 29% OF THE FUNDS WILL BE RESERVED IN ORDER TO HANDLE ANY SUCH CIRCUMSTANCES.**
- 2. A TEAM IN THE R&D DEPARTMENT WILL BE DEDICATED TO WORK IN THIS DEPARTMENT CONTINUOUSLY.**
- 3. SWACHHCOIN WILL ORGANISE BUG BOUNTIES FROM TIME TO TIME TO MINIMISE, IF NOT AVOID THE DAMAGE FROM THE SAME**

# FUND SECURITY AND TOKEN DUMP

IN TIMES WHEN A LOT OF PROJECTS KEEP COMING ON A DAILY BASIS, WE UNDERSTAND IT IS OUR DUTY TO DEVELOP A SYSTEM THAT IS AS MUCH TRUSTWORTHY AS POSSIBLE. THERE HAVE BEEN SELECTED CASES OF MASS TOKEN DUMPS FROM THE FOUNDING TEAM AS SOON AS THE TOKENS ARE LISTED ON EXCHANGES WHICH HAMPERS THE NATURAL PRICE GROWTH. ALSO, THERE HAVE BEEN NUMEROUS SUCCESSFUL THEFT ATTEMPTS WHERE A LARGE PORTION OF TOKENS GET STOLEN AND ARE ULTIMATELY DUMPED IN THE MARKET. IN THESE CASES, THE INVESTORS ARE THE DIRECT VICTIM. IN ORDER TO COMPLETELY ELIMINATE THIS PROBLEM, WE WILL IMPLEMENT THE FOLLOWING.

TEAM TOKENS LOCKED: THE TOKENS ALLOCATED FOR THE TEAMS WILL BE LOCKED IN SMART CONTRACT, THUS COMPLETELY ELIMINATING THE POSSIBILITY OF MASS TOKENS DUMP. THE TOKENS WILL BE RELEASED ACCORDING TO THE FOLLOWING SCHEDULE, IN PARTS SO THAT IT DOES NOT HAMPERS THE MARKET CONDITIONS

PERCENT.OF.TOKENS[%]	RELEASE.DATE
10	31ST.MARCH.2019
10	31ST.AUGUST.2019
20	31ST.DECEMBER.2019
30	30TH.APRIL.2020
20	31ST.OCTOBER.2020
10	31ST.MARCH.2021

THE ABOVE SCHEDULE CAN ALSO BE VERIFIED IN OUR PUBLICLY AVAILABLE SMART CONTRACT CODE.

2. THE DEVELOPMENT FUNDS WILL BE KEPT IN A MULTISIG WALLET. THIS MEANS THAT EACH TRANSACTION WILL REQUIRE AUTHENTICATION FROM MULTIPLE PARTIES THUS PREVENTING ANY ACCIDENTAL SECURITY BREACH WHICH CAN RESULT IN COMPROMISING THE FUTURE OF THE PROJECT.

3. ANY AND EVERY UNALLOCATED/UNUSED TOKENS LEFT AFTER THE TOKEN SALE WILL BE BURNED.

# ROADMAP

**Q2 2016**

IDEA CONCEPTUALISATION

**Q3 2016**

TECHNICAL STUDY AND SURVEY

**Q4 2016**

MARKET SURVEY AND BRAINSTORMING

**Q1 2017**

INTERNET OF THINGS, ADAPTIVE INTELLIGENCE AND BIG DATA INTEGRATION INTO THE PLATFORM,

**Q2 2017**

SWIOT, SWATEL, SWATA AND SWBIN CONCEPTUALISATION AND DEVELOPMENT

**Q3 2017**

TESTING IN MARKET CONDITIONS, FEEDBACK AND IMPROVEMENTS

**Q4 2017**

COLLABORATIONS WITH TECHNICAL ADVISING PARTNERS

**Q1 2018**

ICO ANNOUNCEMENT, ICO CAMPAIGN TARGETING SOCIAL MEDIA, BLOCKCHAIN DEVELOPMENT

**Q2 2018**

PRESALE, MAIN ICO, TOKEN DISTRIBUTION, MARKET RECOGNITION AND EXPANSION STRATEGY

**Q2 2018 - Q1 2019**

PLATFORM DEVELOPMENT, ALPHA RELEASE, OVERALL SYSTEM INTEGRATION, INDUSTRY TIE UPS

**Q2 2019**

FIRST PLATFORM DEPLOYMENT IN THE INDUSTRY





# CHALLENGES

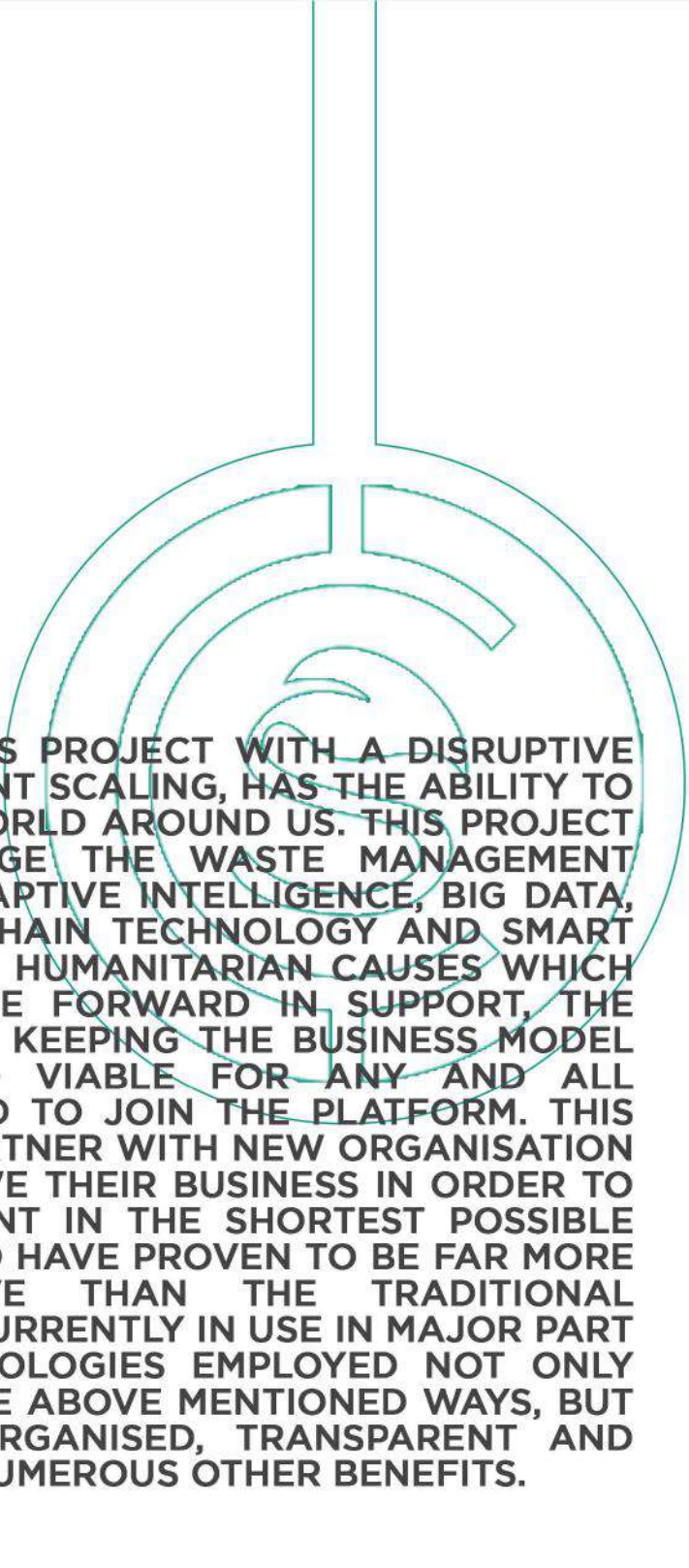
WIDESPREAD ADOPTION OF THE PLATFORM WILL BE A CHALLENGE IN THE INITIAL STAGE OF THE PLATFORM DEPLOYMENT. IT WILL REQUIRE A LOT OF COLLABORATIONS AND NEGOTIATIONS WITH NUMBER OF PRIVATE AND GOVERNMENT ENTITIES. SWACHHCOIN IS AWARE OF SUCH HURDLES THAT MAY COME ALONG IN THIS PARTICULAR PHASE OF THE PROJECT AND IS ALREADY WORKING ON IT. OUR TEAM COMPRISES OF DEDICATED MEMBERS TO FACILITATE THE DIALOGUE WITH VARIOUS ESTABLISHED GOVERNMENT AND PRIVATE ENTITIES IN ORDER TO OVERCOME THIS CHALLENGE.

THE ENTIRE UPGRADATION OF AN ESTABLISHED TRADITIONALLY RUNNING INDUSTRY WILL REQUIRE SIGNIFICANT ADDITIONAL CAPITAL INVESTMENT. FOR AN ORGANISATION TO INVEST SUCH A CAPITAL REQUIRING A COMPLETE OVERHAUL CAN BE A DAUNTING TASK AND A MAJOR HURDLE. SWACHHCOIN WILL WORK OUT EACH AND EVERY ASPECT OF THIS UPGRADATION IN ORDER TO FACILITATE THIS PROCESS IN THE MOST HASSLE FREE WAY POSSIBLE. A COMPLETE BUSINESS PLAN CONTAINING BREAK EVEN POINT WILL BE PROVIDED TO THE COLLABORATING ORGANISATION. DEPLOYMENT OF SWBIN WILL REQUIRE ADDITIONAL COST SINCE ALL THE TRADITIONAL WASTE COLLECTIONS BINS WILL BE NEEDED TO BE REPLACED BY TECHNOLOGICALLY ADVANCED SWBINS. THIS HURDLE WILL BE OVERCOME THROUGH THE REVENUE GENERATED FROM COMMERCIAL ADVERTISEMENT TO BE PLACED ON SWBIN. SWACHHCOIN WILL COLLABORATE WITH VARIOUS ORGANISATIONS TO FIX A DEAL FOR THIS PURPOSE BEFORE THE DEPLOYMENT OF THE PLATFORM.

ADDITIONALLY WE ARE AWARE OF THE CHALLENGES WHICH MAY COME ALONG IN USING THE TECHNOLOGY(S) MENTIONED IN THE PAPER AS MOST OF THESE HAVE BEEN DEVELOPED RECENTLY AND HAVE NOT BEEN TESTED AS MUCH AS THEY SHOULD HAVE BEEN GLOBALLY. THE DEPLOYMENT ALSO INVOLVES DEPENDENCE ON PROGRAM WHICH ARE OPEN FOR UPDATES FROM TIME TO TIME. WE ARE AWARE OF THIS MARGINAL POSSIBILITY OF HICCUPS RESULTING FROM THESE AND WILL STRATEGICALLY WORK TO AVOID ANY ADVERSE EFFECT ON OUR PLATFORM DUE TO THESE CHANGES.

SECURITY AND SAFEKEEPING OF SWBIN HAS BEEN A CONCERN RAISED INTERNALLY IN THE ORGANISATION. DEPENDING UPON THE REGION WHERE SWBIN HAS TO BE USED, THERE WILL BE MINOR MODIFICATIONS TO SUIT THE LOCAL CULTURAL HABITS. SECURITY ISSUE WILL ALSO BE DEALT MORE OR LESS IN THE SAME WAY. A TOTAL OF FIVE SAFETY FEATURES ARE BEING DEVELOPED AT THIS POINT WHICH CAN BE USED INDIVIDUALLY OR IN COMBINATION DEPENDING ON THE PREVAILING LOCAL INFRASTRUCTURE AVAILABLE AT THE POINT OF DEPLOYMENT.

# CONCLUSION



SWACHHCOIN IS AN AMBITIOUS PROJECT WITH A DISRUPTIVE VISION, WHICH, WITH SUFFICIENT SCALING, HAS THE ABILITY TO CHANGE AND IMPROVE THE WORLD AROUND US. THIS PROJECT AIMS TO COMPLETELY CHANGE THE WASTE MANAGEMENT INDUSTRY BY LEVERAGING ADAPTIVE INTELLIGENCE, BIG DATA, INTERNET OF THINGS, BLOCKCHAIN TECHNOLOGY AND SMART CONTRACTS. APART FROM THE HUMANITARIAN CAUSES WHICH COMPELS EVERYONE TO COME FORWARD IN SUPPORT, THE PROJECT HAS BEEN DESIGNED KEEPING THE BUSINESS MODEL EXTREMELY PROFITABLE AND VIABLE FOR ANY AND ALL INDUSTRIES COMING FORWARD TO JOIN THE PLATFORM. THIS FACTOR MAKES IT EASY TO PARTNER WITH NEW ORGANISATION WHO ARE LOOKING TO IMPROVE THEIR BUSINESS IN ORDER TO DEVELOP A GLOBAL FOOTPRINT IN THE SHORTEST POSSIBLE TIME. THE TECHNOLOGIES USED HAVE PROVEN TO BE FAR MORE EFFICIENT AND PRODUCTIVE THAN THE TRADITIONAL MANUFACTURING PRACTICES CURRENTLY IN USE IN MAJOR PART OF THIS SECTOR. THE TECHNOLOGIES EMPLOYED NOT ONLY BENEFITS THE INDUSTRY IN THE ABOVE MENTIONED WAYS, BUT ALSO MAKES THEM MORE ORGANISED, TRANSPARENT AND EASILY AUDITABLE AMONGST NUMEROUS OTHER BENEFITS.

# DISCLAIMER AND FULL DISCLOSURE

BY TRADING TOKENS, YOU ADMIT THAT YOU HAVE THE REQUIRED LAWFUL LIMIT AND AUTHORITY TO ENTER UNDER A BINDING LEGAL AGREEMENT. MOREOVER YOU HAVE READ AND AGREED TO ALL THE TERMS AND CONDITIONS STATED ON THE WEBSITE AND THE SWACHHCOIN WHITEPAPER. IF YOU DON'T AGREE TO THE STATED TERMS THEN YOU MUST NOT PURCHASE ANY SWACHH TOKENS. AS THE SALE EVENT IS CONDUCTED ELECTRONICALLY, ANY MEMBER MIGHT PARTAKE OVER IT, PROVIDED THAT HE IS, AT LEAST, 18 YEARS OLD (OR OVER, AS REQUIRED BY THE LAWS THAT MAY BE APPLICABLE TO EACH PARTICIPANT) AND THAT HE HAS AUTHORITY TO ENTER INTO A BINDING AGREEMENT IN ORDER TO PURCHASE TOKENS FROM THIS WEBSITE. IT MAY BE EACH PARTICIPANT'S OBLIGATION TO GO ALONG WITH ALL RELEVANT LAWS OF PARTICIPANT'S JURISDICTION, INCLUDING ANYHOW NOT RESTRICTED TO BITCOIN CRYPTOCURRENCY REGULATIONS, TAX AND CONTRACTS LAWS. SWACHHCOIN OPERATORS UNDER HOLDS NO RESPONSIBILITY FOR YOUR CONDUCT, AND WILL NOT WITHHOLD ANY TAXES FOR YOU. WE EXHORT THAT ONLY THE INDIVIDUAL MEMBERS WITH THE NECESSARY AND PERTINENT EXPERIENCE AND KNOWLEDGE TO MANAGE CRYPTOGRAPHIC TOKENS, CRYPTOCURRENCIES AND/OR BLOCKCHAIN BASED FRAMEWORKS PARTICIPATE IN THIS SALE OF TOKENS.

YOU ARE NEVERTHELESS ENCOURAGED TO SEEK AN INDEPENDENT LAWFUL GUIDANCE BEFORE SIGNING THE "TOKEN SALE AGREEMENT". MEMBERS SHOULD UNDERSTANDS THAT ALL SALES WILL BE FINAL AND NOT LIABLE TO REFUND OR BE REDEEMED UNLESS EXPLICITLY STATED IN THE "TOKEN SALE AGREEMENT". YOU UNDERSTAND AND AGREE THAT TOKENS ARE NOT LISTED, AUTHORIZED, ISSUED OR TRADED ON ANY REGULATED MARKET, AND IT IS NOT INTENDED TO BE CONSIDERED AS SUCH. DESPITE THE ABOVE TERMS, YOU UNDERSTAND AND AGREE THAT IT IS YOUR RESPONSIBILITY TO ENSURE THAT YOU CONSENT WITH THE APPLICABLE LAWS REGARDING THE PURCHASE OF TOKENS IN YOUR JURISDICTION. MOREOVER, YOU REPRESENT THAT YOU ARE MINDFUL OF ALL THE MERITS, RISKS AND ANY RESTRICTIONS ASSOCIATED WITH CRYPTOGRAPHIC TOKENS (PARTICULARLY, WITH THEIR PURCHASE AND USE), CRYPTOCURRENCIES AND BLOCKCHAIN-BASED SYSTEMS. IN THIS SENSE, YOU EXPLICITLY RECOGNIZE AND UNDERSTAND THAT TOKENS, CRYPTOCURRENCY, BLOCKCHAIN TECHNOLOGY, AND OTHER ASSOCIATED AND RELATED TECHNOLOGIES, ARE NEW AND THAT THEY ARE OUTSIDE OF SWACHHCOIN CONTROL. YOU UNDERSTAND AND AGREE THAT NOTHING HERE CONSTITUTES LAWFUL EXHORTATION OR A SUGGESTION OR SUPPORT CONCERNING ILLUSTRATION WITH WELLNESS ABOUT MOTIVATION. ALL TENTATIVE PURCHASERS SHOULD SEEK PROFESSIONAL ADVICE THAT IS RELATIVE TO THE LEVEL OF THEIR PURCHASE. PLEASE REMEMBER THAT TRADING BY ITS VERY NATURE IS VOLATILE IN TERMS OF BUYING, SELLING, HOLDING, LOSSES AND GAINS. THERE ARE A FEW COMMON SENSE RULES: NEVER BUY MORE THAN YOU CAN AFFORD TO LOSE. BUY FROM A LEGITIMATE SOURCE. BE AWARE OF THE IDIOSYNCRASIES OF EXCHANGES. BE AWARE OF SCAMMERS. THERE ARE SEVERAL PITFALLS: SCAMMERS MAY TRY TO LAUNCH DAOs ON THEIR OWN BEHALF. KINDLY SEND ETHER ONLY TO THE OFFICIAL ADDRESSES STATED ON THE WEBSITE AT THE TIME OF TOKEN SALE. SCAMMERS MAY TRY TO TRADE TOKENS IN THE TIME OF THE TOKEN CREATION AT UNREASONABLE COSTS.

# PARTNERS

POWERED BY: COMMUNITY TECH. LABS

# COMMUNITY TECH LABS



NEWS AND MEDIA PARTNER: COINWOLF, BLOCKCHAIN INDIA



**BLOCKCHAIN  
INDIA**

INVESTMENT PARTNER: CRYPTO TRADERS INDIA



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<https://swachhcoin.slack.com>

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<https://github.com/SwachhCoin>

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<https://swachhcoin.com>

