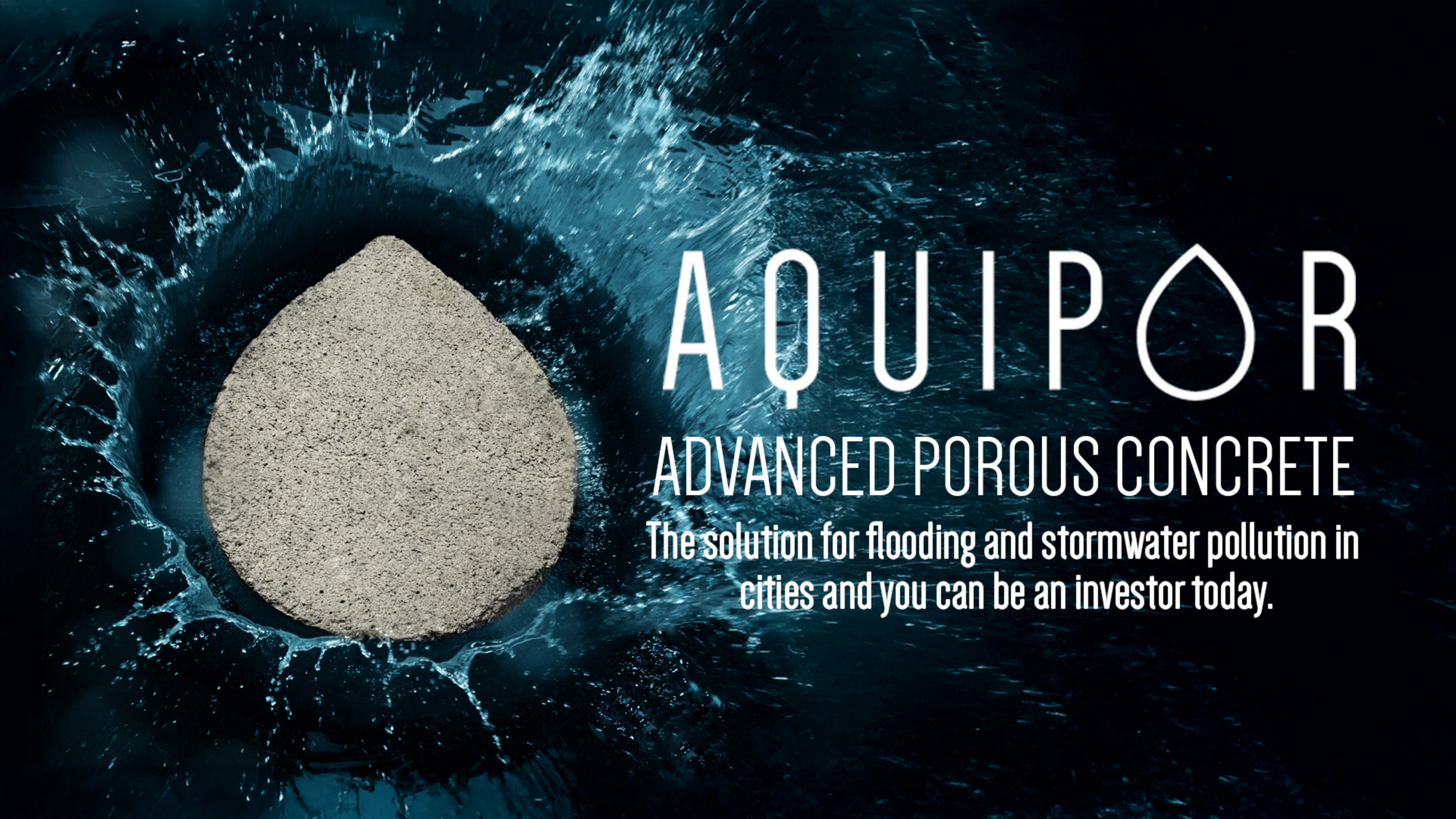

AQUIPOR
ADVANCED POROUS CONCRETE
The solution for flooding and stormwater pollution in cities and you can be an investor today.

WHY AQUIPOR?

AQUIPOR'S PERMEABLE CONCRETE CAN TAKE THE PLACE OF NORMAL PAVEMENT TO NATURALLY MANAGE STORMWATER WHERE IT FALLS, HELP MITIGATE URBAN FLOODING, AND ENABLE GROUNDWATER RECHARGE RIGHT WITHIN THE BUILT ENVIRONMENT.

THE PROBLEM

- THE COMBINATION OF OUTDATED INFRASTRUCTURE, IMPERVIOUS SURFACE AREA, AND EXTREME WEATHER IS BRINGING UNPRECEDENTED WATER STRESSES TO OUR COMMUNITIES.
- MOST MEDIUM-DENSITY URBAN AREAS IN THE U.S. HAVE 30-50% IMPERVIOUS COVERING.
- IT IS ESTIMATED THAT U.S. CITIES DISCHARGE OVER 10 TRILLION GALLONS OF POLLUTED STORMWATER, WASTEWATER, AND RAW SEWAGE INTO CLEAN WATERWAYS EVERY YEAR.
- URBAN FLOODING HAS CAUSED $850B IN DAMAGES SINCE THE YEAR 2000.
- ACCORDING TO THE USGS, GROUNDWATER DEPLETION IN THE U.S. HAS BEEN OCCURRING AT AN AVERAGE RATE OF 9.2 MILLION ACRE FEET PER YEAR

STORMWATER, FLOODING AND CLIMATE RESILIENCE

IN URBAN AREAS, NEARLY 50% OF ALL RAINFALL BECOMES RUNOFF. OUTDATED INFRASTRUCTURE IS NOT DESIGNED TO CAPTURE AND MANAGE RUNOFF WHERE IT FALLS.

CLIMATE CHANGE IS INTENSIFYING FLOOD RISKS WHILE CITIES SIMULTANEOUSLY FACES WATER SHORTAGES.

CO2 INTENSIVE CONCRETE AND ASPHALT PLAST OUR CITIES WITH IMPERVIOUS SURFACE AREA - CREATING A DUAL CHALLENGE FOR CLIMATE RESILIENCY.

PERMEABLE PAVEMENT OFFERS USABLE SPACE AND STORMWATER MANAGEMENT, RIGHT WHERE RAIN FALLS BY NATURALLY RECHARGING GROUNDWATER, FILTERING RUNOFF, MITIGATING FLOODING, AND REDUCING INFRASTRUCTURE COSTS.

HOWEVER, PERMEABLE PAVEMENT HAS BEEN LIMITED IN ITS APPLICATION POTENTIAL DUE TO MATERIAL LIMITATIONS...UNTIL NOW.

FIRST OF IT'S KIND PERMEABLE TECHNOLOGY

HIGH PERMEABILITY

FLOW RATES CAPABLE OF HANDLING
100 YEAR STORM EVENTS

FILTRATION

SUB-MICRON POROSITY FILTERS
SEDIMENT & CONTAMINANTS
ON THE SURFACE, OFFERING
EASE OF MAINTENANCE.

DURABILITY

CAN BE DESIGNED FOR A RANGE
OF STRENGTHS, FROM
2,500 - 8,000+ PSI

VERSATILITY

AQUIPOR IS SUITABLE FOR DRY
CAST PAVERS, PRECAST, OR
READY-MIX, POUR-IN-PLACE

THE MAGIC INSIDE THAT MAKES IT POROUS

AQUIPOR INSIDE

AQUIPOR IS A METAL BASED TECHNOLOGY THAT WE REFER TO AS "CATALYTIC CONCRETE" BECAUSE OF ITS HYPER-PERMEABILITY AND LARGE INTERNAL SURFACE AREA DUE TO ITS NANO-POROUS STRUCTURE.

WHEN PROCESSED AS AN ENGINEERED AGGREGATE OR SUPPLEMENT IN NORMAL CONCRETE MIXES, AQUIPOR INTEGRATES SEAMLESSLY INTO CURRENT CONCRETE PRODUCTION PROCESSES, TURNING NORMAL CONCRETE INTO HIGH-PERFORMANCE PERMEABLE PAVING MATERIAL.

MARKET OPPORTUNITY

SIGNIFICANT GROWTH OPPORTUNITY AT THE INTERSECTION OF STORMWATER MANAGEMENT, CONCRETE, AND SUSTAINABLE CONSTRUCTION

INTEGRATED TOTAL ADDRESSABLE MARKET: $117B

STORMWATER INFRASTRUCTURE: $25.4B

U.S. CONCRETE & CEMENT: $52.3B

CONSTRUCTION AGGREGATES: $39.5B

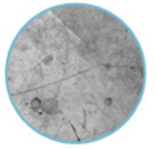
ESTIMATED SERVICEABLE ADDRESSABLE MARKET: $750M - $1.5B (FIRST 7 YEARS)

THE AQUIPOR DIFFERENCE: PERFORMANCE AND SCALABILITY

CONCRETE PRODUCED WITH AQUIPOR INSIDE MEETS OR EXCEEDS INDUSTRY STANDARDS
AND SEAMLESSLY INTEGRATES INTO CURRENT MANUFACTURING PROCESSES







	AQUIPOR	PERVIOUS CONCRETE	POROUS ASPHALT	GAP PAVERS	TRADITIONAL CONCRETE
STRENGTH	●			○	○
HIGH PERMEABILITY	●	○	○		
RESISTANCE TO CLOGGING	●				
CORROSION RESISTANCE	●			○	

AQUIPOR

USE OF FUNDS:

$4 MILLION FUNDRAISING GOAL

- EXPAND MANUFACTURING
- MARKET DEVELOPMENT
- GENERAL OPERATING
- KEY HIRES - TEAM

THE AQUIPOR TEAM

GREG JOHNSON

GREG HAS BEEN A CO-FOUNDER IN CONSTRUCTION-RELATED AND CLIMATE TECH STARTUP COMPANIES FOR OVER 11 YEARS. HIS FIRST COMPANY IMPORTED, MARKETED, AND SOLD SPECIALTY PRODUCTS FOR ON-SITE STORMWATER MANAGEMENT IN NORTH AMERICA AND HIS VISION OF DEVELOPING BETTER TECHNOLOGIES AND PRODUCTS FOR GREEN INFRASTRUCTURE WOULD BE THE IMPETUS FOR AQUIPOR TECHNOLOGIES. GREG HAS A BREADTH OF EXPERIENCE REGARDING EARLY STAGE TECHNOLOGY DEVELOPMENT, STARTUP FUNDRAISING, I.P. STRATEGY, AND LEADING EARLY STAGE TEAMS. HE HAS BEEN NAMED A GLOBAL SUSTAINABILITY LEADER BY THE U.S. GREEN CHAMBER OF COMMERCE AND HE PROVIDES BOTH THE VISION AND MARKET EXPERTISE TO LEAD AQUIPOR IN HELPING SOLVE WATER-RELATED ISSUES IN CITIES.

MATT RUSSELL

MATT RUSSELL, P.E., MBA: INVENTOR & ADVISOR. MATT HAS INVENTED AQUIPOR'S CONCRETE AND ENGINEERING TECHNOLOGIES, AND HAS OVER 30 PATENTS AND PATENTS PENDING TO HIS NAME. MATT IS A CIVIL P.E. WITH A BACKGROUND IN CIVIL, MECHANICAL, AND CHEMICAL ENGINEERING AS WELL AS CONCRETE TECHNOLOGY DEVELOPMENT. HE SERVED AS A PROFESSIONAL ENGINEER FOR FLUOR DANIEL (NOW FLUOR CORP.) WORKING IN METALLURGICAL AND MINING PLANT DESIGN, AS WELL AS CIVIL AND STRUCTURAL DESIGN WORK FOR CALTRANS. HE'S ALSO AN EXPERIENCED STARTUP FOUNDER, AND PREVIOUSLY DIRECTED A PRE-IPO BANKABLE FEASIBILITY STUDY FOR A RESOURCE STARTUP PRIOR TO THE COMPANY'S PUBLIC OFFERING. HE CURRENTLY SERVES AS AN ADVISOR TO AQUIPOR AND IS THE CURRENT CEO OF REFOURM ENERGY, INC.

JOSH CHASTEK

JOSH SERVES AS AQUIPOR'S PRODUCT ENGINEER AND HAS VAST EXPERIENCE IN CONCRETE PRODUCT DEVELOPMENT AND RESEARCH, WORKING ON NEW CONCRETE TECHNOLOGIES AND MIX DESIGNS FOR BW-IGC, INC. AND AQUIPOR. PRIOR TO HIS WORK IN CONCRETE, JOSH WAS A RESEARCH ASSISTANT AT EASTERN WASHINGTON UNIVERSITY POST UNDERGRAD. JOSH CURRENTLY LEADS THE AQUIPOR PRODUCT DEVELOPMENT EFFORT INCLUDING MIX DESIGNS, TESTING PROCEDURES, AND QUALITY CONTROL STANDARDS.

WHY INVEST IN AQUIPOR?

AQUIPOR OWNS THE EXCLUSIVE RIGHTS TO PATENTED TECHNOLOGIES THAT COVER ADVANCED MATERIAL TECHNOLOGIES IN CONCRETE AND ENGINEERING.

PATENTED DROP-IN TECHNOLOGY:TRANSFORM ANY CONCRETE PLANT INTO A PERMEABLE CONCRETE PRODUCER WITH OUR ENGINEERED AGGREGATE - NO NEW EQUIPMENT, NO COMPLEX RETROFITS,

CONCRETE MADE WITH AQUIPOR INSIDE CAN BE UTILIZED IN MULTIPLE PRODUCTS AND DESIGN APPLICATIONS FOR MUNICIPAL, FEDERAL, COMMERCIAL AND RESIDENTIAL USES.

REVENUE OPTIMIZATION: MAXIMIZING PROFITS TO CAPTURE THE HIGHEST MARGINS IN MAJOR MARKETS THROUGH DIRECT SALES & EARNING PURE-PROFIT ROYALTIES IN SECONDARY MARKETS.


QUESTIONS?
GREG JOHNSON
GREGJ@AQUIPOR.COM
JOIN THE MOVEMENT
& INVEST IN AQUIPOR