

WATERFRONT DESTINATIONS



moffatt & nichol

INFRASTRUCTURE
AS EXPERIENCE



The Wharf, Washington DC (image courtesy of Hoffman & Associates)

ABOUT US.

OCEAN BORN IN
1945



**OUR MOTTO:
TO BE THE
BEST, NOT
THE BIGGEST**

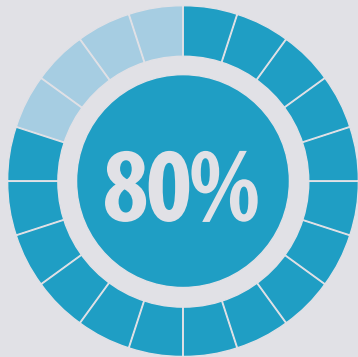


**WATERFRONT DESTINATIONS
IS MARKET SPACE AND CLIENT
BASE WITH A FOCUS ON
INFRASTRUCTURE AT THE WATER'S
EDGE WITH AN EMPHASIS ON
PEOPLE AND EXPERIENCES.**

**ENR
TOP 100
DESIGN FIRM**

8,000+

PROJECTS COMPLETED WITH TRANSPORTATION,
WATERFRONT & COASTAL FOCUS



**REPEAT
BUSINESS**



900

EMPLOYEES WORLDWIDE



SERVICES.

Reconnaissance and Concept Planning



- Feasibility Studies
- Above and Below Water Inspection
- **MARKET STUDIES AND PRO-FORMA DEVELOPMENT**
- **GRANT FUNDING RESEARCH AND SUPPORT**
- Master Plan Development
- Visualization and Animation

Analysis and Viability



- **RESILIENCY AND SUSTAINABILITY ASSESSMENT**
- Navigation and Boat Traffic Studies
- Instrumentation Deployment and Data Collection
- Wind, Wave, Hydrodynamic, Numerical Modeling
- Water Quality Numerical Modeling
- Mooring and Berthing Analysis
- Utility Demand Analysis
- Urban Flooding/Stormwater/Green Infrastructure

Operations and Asset Management



- Inspections and facilities appraisal
- Maintenance planning and capex/opex appraisal for Business Planning
- Concession and licensing support
- **ADAPTIVE PLANNING AND BUSINESS CONTINUITY PLANNING**
- Environmental oversight and sustainability reviews
- Market Assessment

Where People Meet Water

Regulatory Support and Outreach



- **STAKEHOLDER/PUBLIC OUTREACH**
- Permit Applications and Regulatory
- Environmental Documentation Support
- US Pierhead Line Modifications
- Mitigation Design

Engineering Design



- **STRUCTURAL, COASTAL, CIVIL, STORMWATER, DREDGING ENGINEERING DESIGN**
- **UTILITY ENGINEERING DESIGN**
- Temporary Facilities, Utilities, Access Design
- Design of Repairs
- Bid and Construction Documents
- Cost Estimating

Construction



- Contractor Pre-Qualification
- Bid Support Services
- **CONSTRUCTION SUPPORT AND MANAGEMENT**
- Facilities and Operational Management Consulting
- Owner's representative services for Design-Build

CONTACT.

Office Locations



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40+ OFFICES
WORLDWIDE,
STAFFED BY **900+**
EMPLOYEES



Follow us:

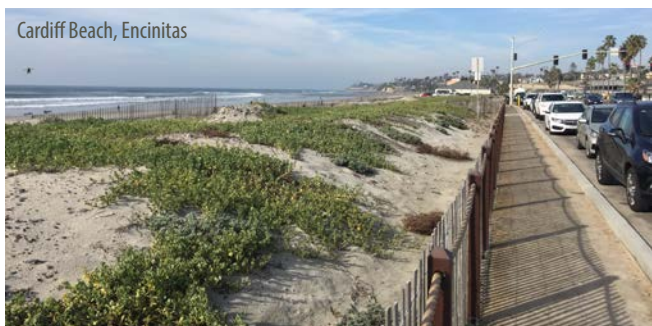


EXPERIENCE. SOUTHERN CALIFORNIA.



Seaport, San Diego

M&N'S ROOTS ARE IN SOUTHERN CALIFORNIA AND OUR WORK TOUCHES ALMOST EVERYTHING YOU SEE LOOKING WEST FROM THE PACIFIC COAST HIGHWAY.



Cardiff Beach, Encinitas



Alamos Bay, Long Beach



Avalon Harbor, Catalina



Queen Mary, Carnival Cruise and Rainbow Harbor, Long Beach



EXPERIENCE. NORTHERN CALIFORNIA.



Urban Revitalization, Pier 1, San Francisco



Marina Planning and Redevelopment, San Francisco Marina



WETA Downtown Ferry Terminal, San Francisco



Brooklyn Basin Development, Oakland (image courtesy of Signature Development Group)

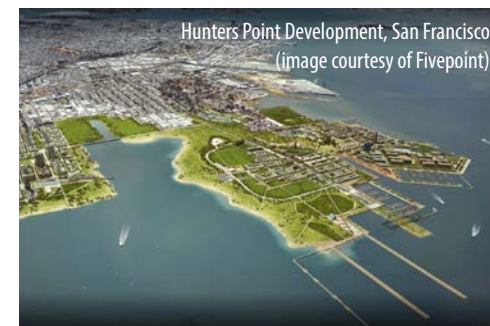
THE BAY AREA CONTAINS EXAMPLES OF EVERY TYPE OF WATERFRONT AND SHORELINE OPPORTUNITY AND THE REGION IS PROVIDING WORLD-WIDE LEADERSHIP IN RESILIENCY AND ADAPTATION PLANNING.



Tidewater Aquatic Park, Oakland
(image courtesy of Siegel & Strain)



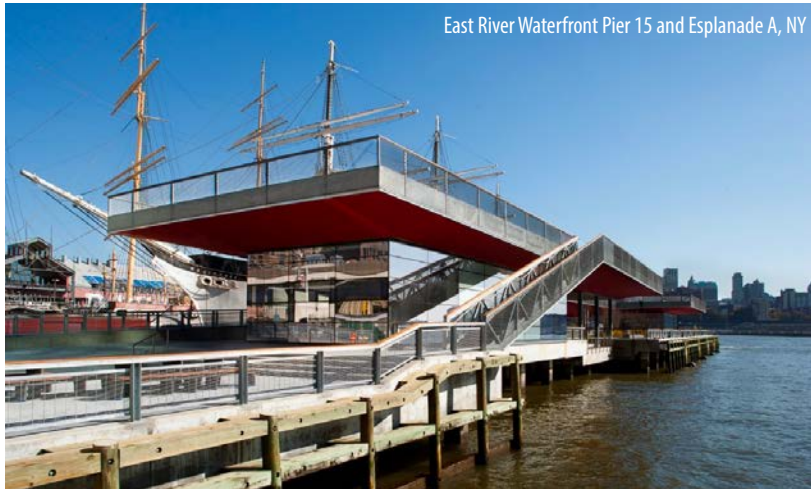
China Basin Park, San Francisco
(image courtesy of SCAPE Landscape/SF Giants)



Hunters Point Development, San Francisco
(image courtesy of Fivepoint)



EXPERIENCE. NEW YORK AND NEW JERSEY.



East River Waterfront Pier 15 and Esplanade A, NY



New York Citywide Ferry Study



79th Street Boat Basin, NY



Ollis Class Compatible Flex Barges



30th Street Pier Municipal Recycling Facility Design, Brooklyn, NY

GETTING WATERFRONT PROJECTS CONSTRUCTED IN NY AND NJ REQUIRES MORE THAN TECHNICAL EXPERTISE, BUT EXPERIENCE NAVIGATING THE LABYRINTH OF STAKEHOLDERS AND AGENCIES THAT HAVE INTEREST AND OVERSIGHT ON DEVELOPMENT AT THE WATER'S EDGE.

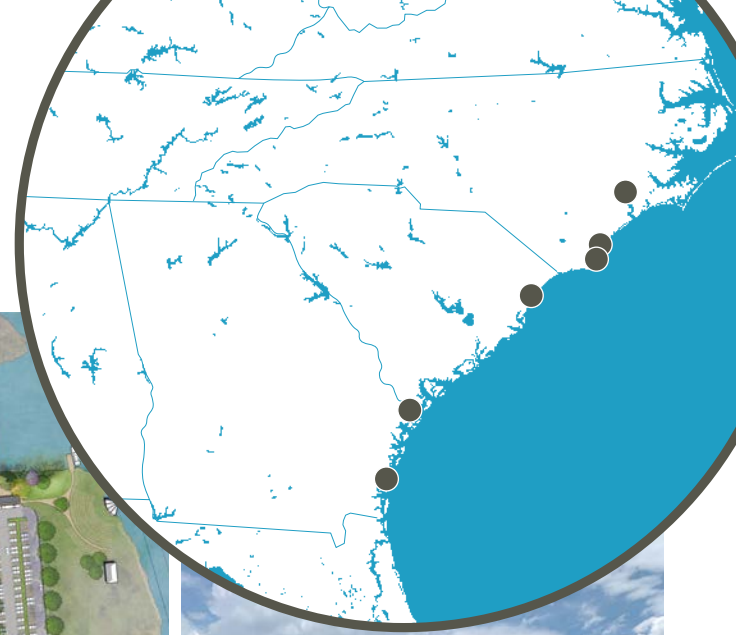
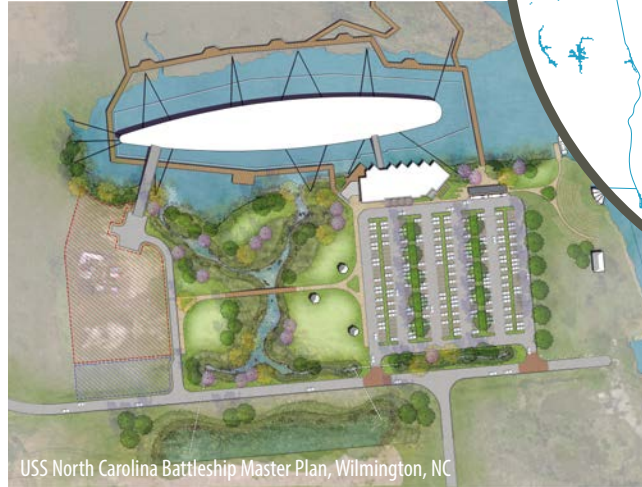
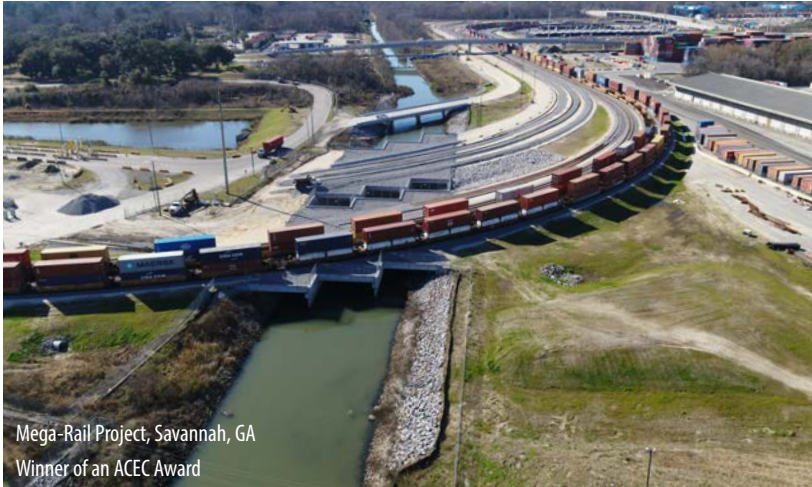


Paulus Hook Pier and Ferry Terminal, Jersey City, NJ



Battery Park City North Cove Marina, NY

EXPERIENCE. GEORGIA & THE CAROLINAS.



A COASTLINE SEEING TREMENDOUS GROWTH AS RETIREES MOVE SOUTH FOR THE WARMER CLIMATE, HISTORICAL ARCHITECTURE, BEAUTIFUL SHORELINE, WORLD RENOWNED SEAFOOD, AND SOUTHERN HOSPITALITY!



EXPERIENCE. BAHAMAS.



Great Stirrup Cay, Berry Islands



Bakers Bay Resort, Guana Cay



Half Moon Cay, Eleuthera



Cape Eleuthera, Eleuthera



Baha Mar Resort, Cable Beach



Goldwynn Hotel, New Providence Island



Atlantis, Paradise Island



Perfect Day at Coco Cay

EXPERIENCE. WASHINGTON.

Twanoh State Park, Union



Ruston Way Vision and Implementation Planning, Tacoma



**PRACTICAL AND
SUSTAINABLE DESIGN
SOLUTIONS FOR ALL
OF OUR CLIENTS AND
USERS (WITH AND
WITHOUT FINS).**

Elliott Bay Marina Floating Breakwater Replacement, Seattle



Meydenbauer Bay Park, Bellevue
Recipient of ASCE Local Outstanding
Civil Engineering Award (2020)



Elliott Bay Marina Shoreline
Enhancement, Seattle



Southern Resident Killer Whale
(image courtesy of Dawn Noren)

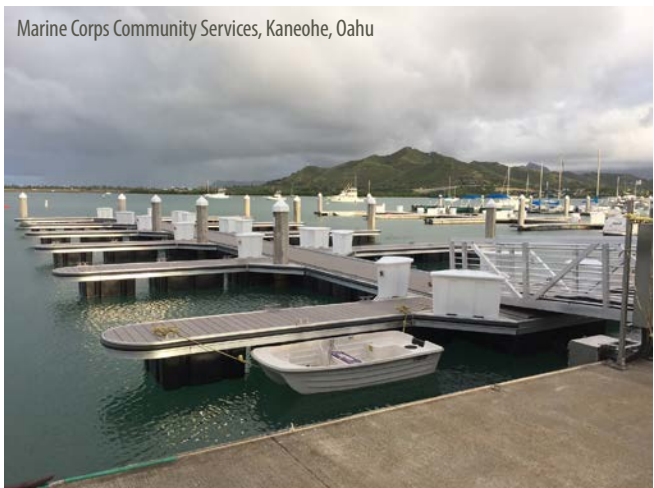


Des Moines Marina Fire Rehabilitation



EXPERIENCE. HAWAII.

Marine Corps Community Services, Kaneohe, Oahu



Port Allen Small Boat Harbor, Kauai



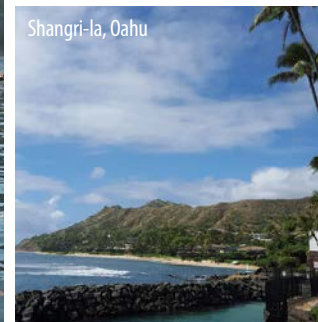
Lahaina Small Boat Harbor, Maui



Hana Harbor Boat Ramp, Hana, Maui



Pulama Lanai Manele Small Boat Harbor, Lanai



Shangri-la, Oahu



Heeia Kea Small Boat Harbor
Mole Repair, Kaneohe, Oahu



Kapalama Container Terminal, Honolulu, Oahu

**THE WATER PLAYS A CENTRAL ROLE IN THE
HAWAIIAN CULTURE AND WE HELP MAKE SURE
THAT THERE IS PLENTY OF PUBLIC ACCESS TO IT.**

EXPERIENCE. ALASKA.



City Dock Rehabilitation, Aleknagik



Small Boat Harbor Float Replacement, Seldovia

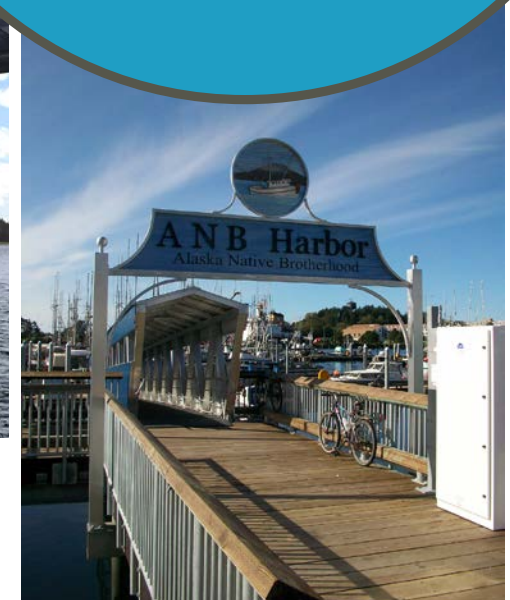


Cruise Ship Berths Planning and Design, Ketchikan

Icy Strait Berthing Facility, Hoonah
Winner: American General Contractors (AGC)
2016 Award Best Design-Build Project Over \$15 Million



**FROM RUGGED
WORKING HARBORS
TO ENCHANTING
DESTINATION PORTS,
M&N HAS HELPED
TAME ALASKA'S WILD
WATERFRONT TO
SERVE RESIDENTS AND
VISITORS ALIKE.**



ANB Harbor Float Replacement, Sitka
Winner: Engineering News Record (ENR)
Northwest Region Merit Award
Best Small Projects of 2014

EXPERIENCE. FLORIDA.



Tampa Riverwalk, Tampa



The Breakers,
Palm Beach



RMK Merrill-Stevens Shipyard, Miami

Island Walk, North Bay Village



**FLORIDA'S WARM CLIMATE AND
WATER-CENTRIC CULTURE IS
THE FOUNDATION OF M&N'S
INDUSTRY LEADERSHIP ON
WATERFRONT PROJECTS OF ALL
SHAPES AND SIZES.**



Palm Harbor Marina,
West Palm Beach



Julian B. Lane Park, Tampa



Portside Pensacola, Pensacola

EXPERIENCE. CARIBBEAN.

Baha Mar Resort, Cable Beach, Bahamas



**WITH OVER 40 OFFICES ACROSS
10 TIME ZONES... IT'S ALWAYS
5 O'CLOCK SOMEWHERE.**



Bakers Bay Resort, Guana Cay, Bahamas



Labadee, Adrenaline Beach, Haiti



Perfect Day at Coco Cay, Bahamas



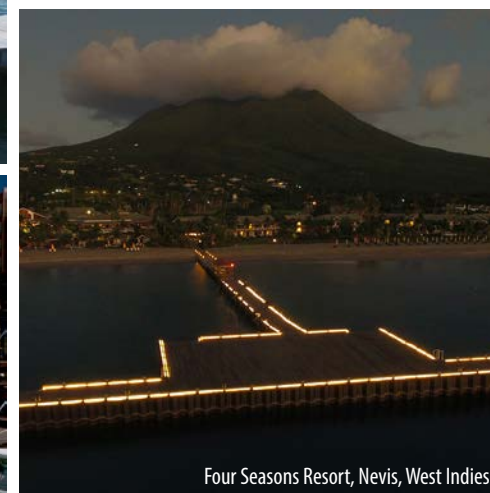
Coral World Dolphin Encounter, St. Thomas, USVI



Atlantis, Paradise Island, Bahamas



Crown Bay Cruise Terminal, St. Thomas, USVI



Four Seasons Resort, Nevis, West Indies



EXPERIENCE. GULF COAST.



New Orleans Municipal Yacht Harbor, LA



Rendering of City Docks, Bayou La Batre, AL



Baton Rouge Dock, LA



Breakwater and Marsh Construction
at Lighting Point, Bayou LaBatre, AL

**ON THIS DYNAMIC AND EVER
CHANGING COASTLINE, A MOVE
TOWARDS RECREATIONAL USE,
AND A PREVAILING DESIRE
TO PROTECT THE AREA AS A
THRIVING ECOLOGICAL ZONE
THAT BUFFERS AGAINST THE
UNCERTAINTY OF CLIMATE
CHANGE, COINCIDE.**



Rendering of Lightning Point Shoreline Restoration, Bayou La Batre, AL



LaBranche Wetlands, Jefferson Parish, LA



Bucktown Vision Plan, Metairie, LA



EXPERIENCE. MID-ATLANTIC.

Historic Pier Renovation, Port Covington, MD



Recreation Pier, Wharf, Washington DC



Harbor East Marina, Baltimore, MD

Pier Transportation Facility, Washington DC



T. Tyler Potterfield Memorial Bridge, Richmond, VA

**M&N HAS
DEVELOPED
THE "NATION'S
MARITIME
FRONT PORCH",
WITH PROJECTS
SURROUNDING
THE CAPITAL
AREA.**

The District Pier, Washington DC



The Yards, Washington DC

EXPERIENCE. NORTHEAST.



WHOI Iselin Dock Redevelopment, Woods Hole, MA



RIDOT Ferry Operator RFP, Providence and Newport, RI

**HIDDEN WITHIN THE
COUNTRY'S MOST
URBAN LOCALES,
M&N IS SHAPING AND
PRESERVING SOME OF
THE MOST PRESTIGIOUS
WATERFRONT
DESTINATIONS IN THE
NORTHEAST.**



Nantucket Boat Basin Rehabilitation, Nantucket, MA



Hudson River Park Trust, Manhattan, NY



Boston Harbor Now, Water Transportation Study, Boston, MA



Hyatt Newport Marina, Newport, RI



EXPERIENCE. EUROPE AND MIDDLE EAST.



Grand Harbour Strategic Plan, Malta



City Masterplanning, Matrouh, Egypt



Guernsey Masterplanning



Dubai Harbour, UAE



Facilitating Public Access, Grand Harbour, Malta



Coastal Strategies, Red Sea, KSA

**THE PLACES WE VISIT
ARE UNIQUE, BUT
THEIR ASPIRATIONS
AND CHALLENGES ARE
SHARED. BY SHARING
OUR EXPERIENCES,
WE PROVIDE
PRACTICAL SOLUTIONS,
WORLDWIDE.**



Cruise Destination, Kotor, Montenegro



EXPERIENCE. CHINA.

Zizhu Peninsula-Coast and Coastal Design, Shanghai



Huishan Bund Marina Engineering Services, Shanghai

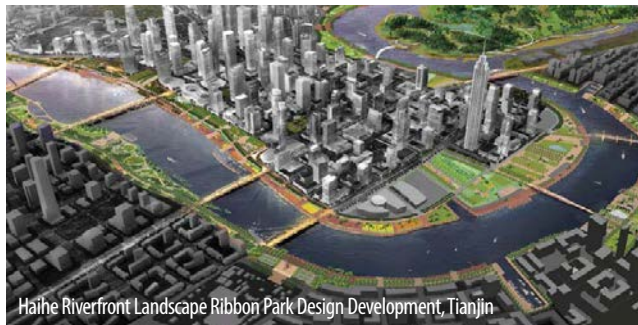


**M&N HAS PARTICIPATED
IN SEVERAL INNOVATIVE
WATERFRONT
MASTERPLANNING AND
DESIGN PROJECTS IN CHINA,
AND WE UNDERSTAND
HOW TO GET PROJECTS
MOVED FROM CONCEPT TO
CONSTRUCTION.**

Zhuhai Xiangzhou Harbor Waterfront Planning, Zhuhai



Haihe Riverfront Landscape Ribbon Park Design Development, Tianjin



Hengqin Venetian International Convention and Resort, Zhuhai



Seaglass Renaissance, Shanwei City, Guangdong Province



EXPERTISE. WATERFRONT RECREATION.



Multi-Use, Programmable Piers



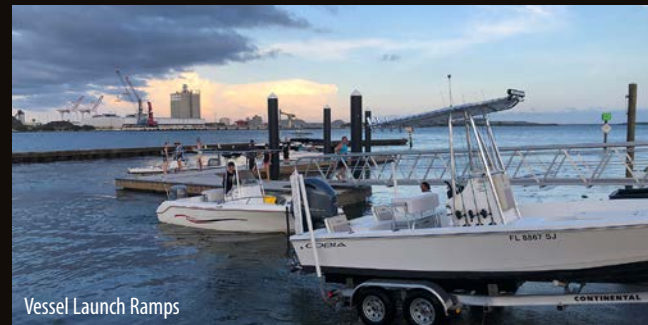
Entertainment Piers



Riverwalks



ADA Access



Vessel Launch Ramps

**M&N
UNDERSTANDS
HOW TO
DESIGN
RECREATIONAL
FACILITIES
THAT CREATE
A BUZZ AND
BRING PEOPLE
TOGETHER TO
CELEBRATE THE
WATER!**



Small Craft Marinas and Floating Docks



Paddle Craft and Youth Education Docks



Swings on Piers!

EXPERTISE. URBAN WATERFRONTS.



The Wharf, Washington DC



Rainbow Harbor, Long Beach, CA
(image courtesy of Long Beach Convention and Visitors Bureau)



Burlingame Facebook Campus, CA
(image courtesy of Kylli/Gensler)



Treasure Island Development, San Francisco, CA (image courtesy of TICD)



Tampa Riverwalk, FL



Queensway Walk, Long Beach, CA

URBAN WATERFRONTS ARE BOOMING WITH THE REDEVELOPMENT OF FORMER PORT LOCATIONS INTO HIGHER-VALUE WATERFRONT REAL ESTATE. WE KNOW HOW TO DRIVE REVENUE TO THESE PROJECTS THROUGH ACTIVATING THE WATERFRONT AND DEVELOPING IDEAS THAT HELP GRAVITATE PEOPLE TOWARDS THE WATER.

EXPERTISE. SUPERYACHT MARINAS.



Bakers Bay Resort, Guana Key, Bahamas



Construction of Pier 66 Megayacht Marina, Ft. Lauderdale, FL



Palm Harbor Marina, Palm Beach, FL



The Marina at Atlantis, Paradise Island, Bahamas

**THE MARINA AT ATLANTIS WAS CITED
AS "THE WORLD'S BEST MEGA-YACHT
FACILITY" BY THE ROBB REPORT.**



Dubai

EXPERTISE. SMALL CRAFT MARINAS.

New Orleans, LA



Washington DC



St. Petersburg, FL



**WE WROTE THE
BOOK ON SMALL
CRAFT MARINA
DESIGN — EIGHT
TIMES OVER 40
YEARS.**

Shanghai, China



San Francisco, CA



Long Beach, CA



EXPERTISE. DRY STACK MARINAS.



Loggerhead Riviera Beach, FL



Lazy Days Marina, Lake Lanier, GA



Optimized Vertical Slip Mix and Rack Configuration

OUR TEAM HAS PLANNED AND DESIGNED WATERFRONT ACCESS WITH DRY STACK MARINAS RANGING FROM 50-500 VESSELS. WE HAVE ALSO INCREASED BERTH DENSITY AT EXISTING FACILITIES BY RELOCATING SMALLER VESSELS TO DRY STACK AND OPTIMIZING WET SLIPS FOR LARGER VESSELS.



Site Layout and Waterfront Design



Marine Structures for Heavy Forklifts

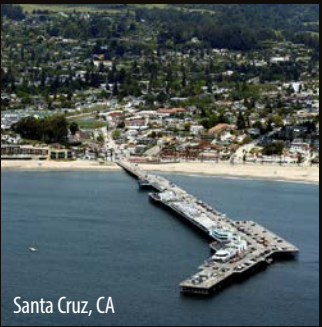
EXPERTISE. PIERS.

Santa Monica Pier, Santa Monica, CA



PIERS CAN SERVE A WIDE VARIETY OF FUNCTIONS – TRANSPORTATION, RECREATION, OBSERVATION, FISHING, AND DRAMATIC PUBLIC ACCESS. THEY ARE OFTEN THE CENTERPIECE OF A COMMUNITY AND BECOME THE ICON FOR THEIR CITIES.

Pier 15, New York, NY



Santa Cruz, CA



Nevis, West Indies



San Francisco Ferry Terminal, CA



Paulus Hook, NJ



National Harbor, MD



Belmont Veterans Pier, Long Beach, CA

EXPERTISE. CRUISE.

Icy Strait Point Cruise Ship Berthing Facility, Hoonah, AK



**CRUISE SHIPS CAN
FUNDAMENTALLY
CHANGE THE ECONOMY
OF A COMMUNITY AND
OPEN A REGION TO
NEW OPPORTUNITIES,
PROVIDING SAFE
MOORING AND ACCESS
IS A KEY ELEMENT.**



Solaire, Philippines



Port of Kotor Cruise Terminal Wharf Improvements, Montenegro



Batumi Waterfront Master Plan, Republic of Georgia



Port of Kusadasi Cruise Ship Terminal Engineering Services, Turkey



Long Beach Cruise Terminal Utilities Design, CA



Port of Tampa Bay Cruise Ship Wharf and Facilities, FL



EXPERTISE. FERRY.

Treasure Island Ferry Terminal, San Francisco, CA
(image courtesy of AECOM)



WETA Downtown Ferry Terminal, San Francisco, CA



Golden Gate Ferry Terminal Improvements, CA



Fisher Island



USVI Red Hook Customs Facility Redevelopment



Treasure Island Ferry Terminal Planning



New York Citywide Ferry Study, NY

**M&N EXPERTISE IN FERRY
TERMINALS BEGINS WITH A
FUNDAMENTAL UNDERSTANDING
OF THE OPERATIONAL NEEDS AND
CONSIDERATION OF BOTH PASSENGERS
AND OPERATORS, AND ENDS WITH
THE DESIGN AND DEVELOPMENT
OF EFFICIENT, FUNCTIONAL, AND
BEAUTIFUL INFRASTRUCTURE.**

EXPERTISE. OVERWATER STRUCTURES.

False Creek Boating Centre, Vancouver, BC



Belmont Veterans Pier, Long Beach, CA



Miami Back Bay, Miami, FL



Nevis, West Indies

OVERWATER STRUCTURES CAN SERVE A WIDE VARIETY OF FUNCTIONS— FROM TRANSPORTATION AND RECREATION TO DRAMATIC PUBLIC ACCESS. THEY BRING PEOPLE TO THE WATER'S EDGE AND OFTEN BECOME AN ICON FOR THEIR CITIES.

EXPERTISE. WATERFRONT PLANNING AND MASTER PLANS.



Toronto Inner Harbor Master Plan, City of Toronto



The Wharf, Washington DC



Ocean Club Resort, Bahamas

WATERFRONT DESIGN AND PLANNING PROVIDE AN INCREDIBLE OPPORTUNITY FOR A UNIQUE USER EXPERIENCE THAT ALLOWS COMMUNITIES TO ENGAGE WITH THE WATER'S EDGE.



Brooklyn Basin Development, Oakland, CA
(image courtesy of Signature Development Group)



Palm Harbor Marina, West Palm Beach, FL



Solaire Resort and Cruiseport, Manila, Philippines



Amalago Bay Resort and Casino, St. Croix, USVI (image courtesy of WATG)

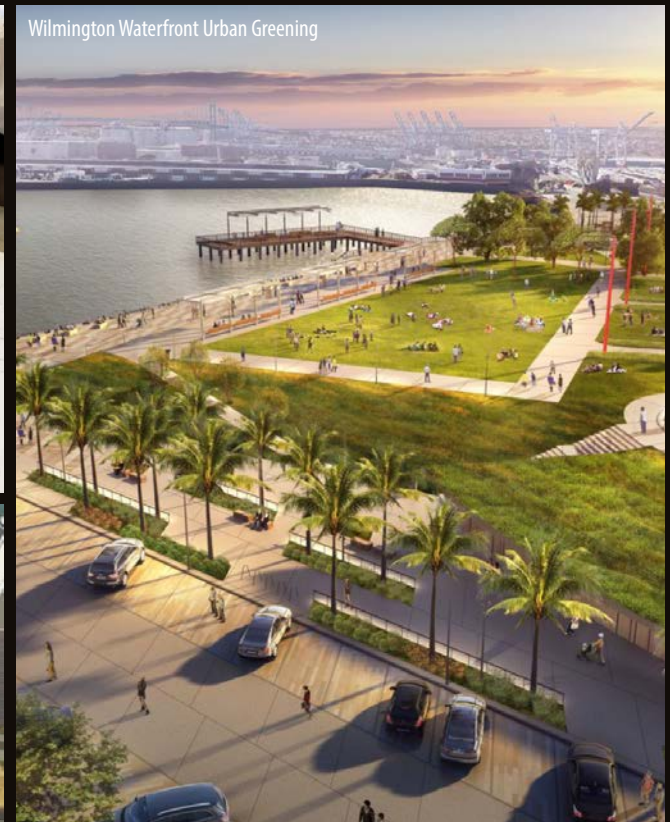
EXPERTISE. WATERFRONT COMMUNITY REVITALIZATION.



San Pedro Downtown Waterfront Revitalization



Public Outreach



Wilmington Waterfront Urban Greening



Seaport San Diego

OUR WATERFRONT PLANNING TEAM UNDERSTANDS HOW THE WATERFRONT CAN BE THE CENTER OF A COMMUNITY'S REVITALIZATION AND REINVIGORATION.

EXPERTISE. GREAT PLACES.



Beaches and Cruiseships



Nevis Dinnertime



Ft. Lauderdale Dinghy Dock

**WITH OUR WORLDWIDE
PRESENCE AND PROJECT
RESUME, THE SUN
NEVER SETS ON M&N'S
GREAT WATERFRONT
DESTINATIONS.**



Palms and Piers



Sunset at the Beach



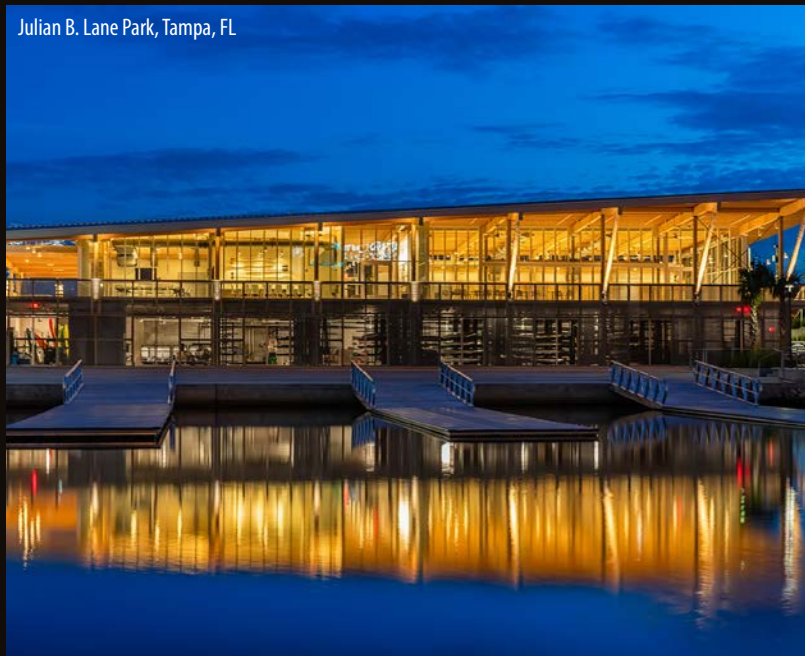
The Cantina

EXPERTISE. WATERFRONT PARKS.

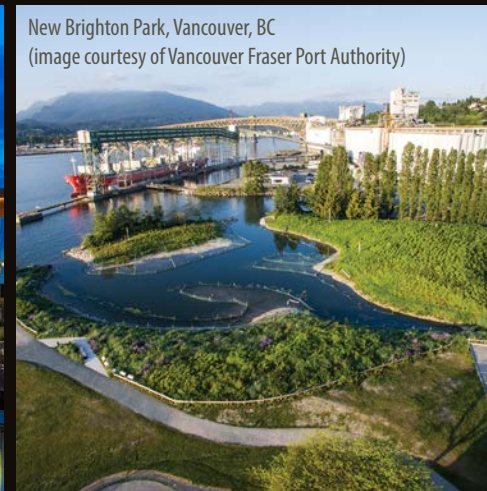
Meydenbauer Bay Park, WA



Julian B. Lane Park, Tampa, FL



New Brighton Park, Vancouver, BC
(image courtesy of Vancouver Fraser Port Authority)



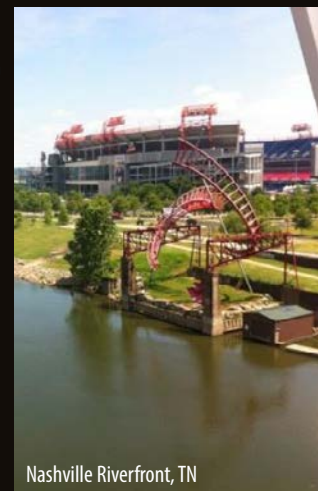
Crissy Field, San Francisco, CA (image courtesy of Hargreaves Associates)



South Lake Union Park, Seattle, WA



**PARKS HAVE NEVER
BEEN MORE IMPORTANT
TO THE HUMAN
EXPERIENCE THAN THEY
ARE TODAY, AND THOSE
ON THE WATERFRONT
PROVIDE AN EVEN
MORE EXCEPTIONAL
OPPORTUNITY TO EXCEL.**



Nashville Riverfront, TN

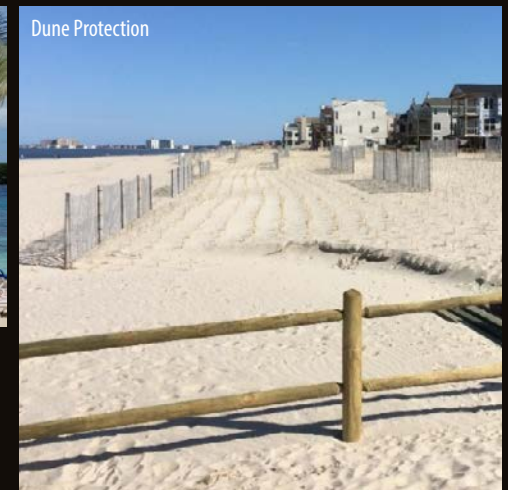


21st Century Waterfront, Chattanooga, TN

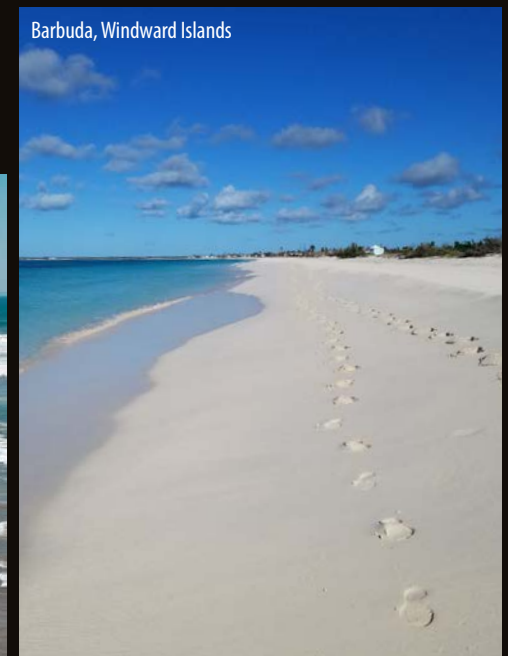


China Basin Park, San Francisco, CA
(image courtesy of SCAPE Landscape/SF Giants)

EXPERTISE. BEACHES AND DUNES.



SAND IS THE #2 MOST USED NATURAL RESOURCE IN THE WORLD, AND WE PREFER TO USE IT TO BUILD BEACHES THAT PROVIDE HABITAT, STORM PROTECTION, RECREATION, AND A RESPITE FROM THE DAILY GRIND.



EXPERTISE.

BEACHES: BEFORE AND AFTER.



Before: Ritz Carlton, St. Thomas, USVI



After: Ritz Carlton, St. Thomas, USVI



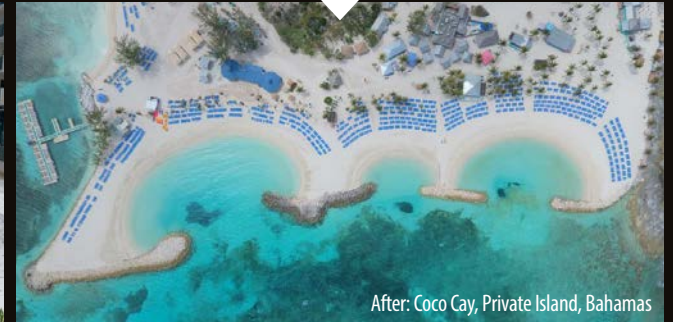
Before: Hillsboro Beach Fort Lauderdale, FL



After: Hillsboro Beach Fort Lauderdale, FL



Before: Coco Cay, Private Island, Bahamas



After: Coco Cay, Private Island, Bahamas

**MORE BEACH, MORE HABITAT,
MORE STORM PROTECTION,
MORE HAPPY PEOPLE.**



Before: Labadee, Haiti



Design Rendering: Labadee, Haiti



After: Labadee, Haiti

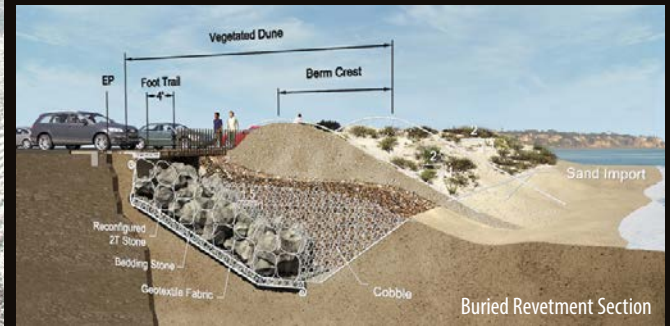
EXPERTISE. ISLAND RESORTS.



**NOTHING SAYS
EXCLUSIVITY LIKE
AN ISLAND RESORT.
WE RESPECT THE
SENSITIVITY OF THE
GUESTS, ENVIRONMENT,
AND EXPERIENCE
OF THESE UNIQUE
OPPORTUNITIES.**

EXPERTISE.

SHORELINE STABILIZATION/COASTAL STRUCTURES.



COASTAL EROSION AND WAVE PROTECTION IS AN ONGOING CHALLENGE THAT HAS BEEN EXACERBATED BY CLIMATE CHANGE AND SEA LEVEL RISE. DEVELOPING ADAPTABLE AND NATURE-BASED SOLUTIONS ALLOWS OUR PROJECTS TO REMAIN RELEVANT THROUGHOUT TIME.

EXPERTISE. WETLANDS RESTORATION.

Lightning Point, AL Beneficial Use of Dredge Material



San Elijo, Carlsbad, CA



Post-Project Conditions, Hyde County Shore Protection and Intertidal Marsh Creation, Ocracoke, NC

**WETLANDS SERVE
A VITAL ROLE
IN PROTECTING
SHORELINES AND
PROVIDING HABITAT.
WHEN IT COMES TO
RESTORING NATURE,
OUR SCIENTISTS AND
ENGINEERS WORK
SEAMLESSLY TO CREATE
THESE IMPORTANT
PLACES.**

Bolsa Chica Wetlands Restoration, Huntington Beach, CA



LaBranche Wetland Restoration, Jefferson Parish, LA



Lightning Point, AL

EXPERTISE.

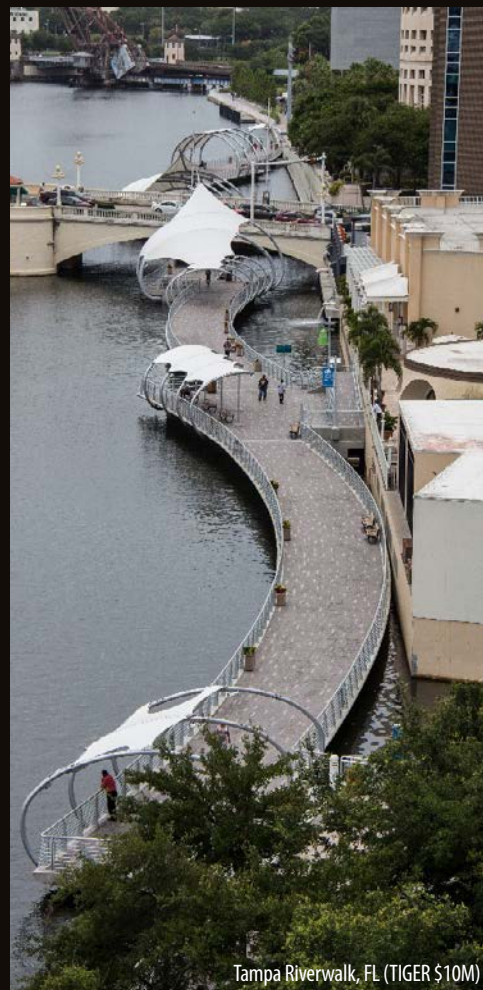
WATERFRONT GRANTS. RECENT SUCCESSES.

RECREATIONAL BOATING FACILITIES



**THINK BIG, COMBINE
OPPORTUNITIES, AND
LEVERAGE EXISTING
RESOURCES TO CREATE
INNOVATIVE FUNDING
STRATEGIES.**

TRANSPORTATION AND COMMERCIAL BOATING FACILITIES



EXPERTISE. CONSTRUCTION.

Dredging



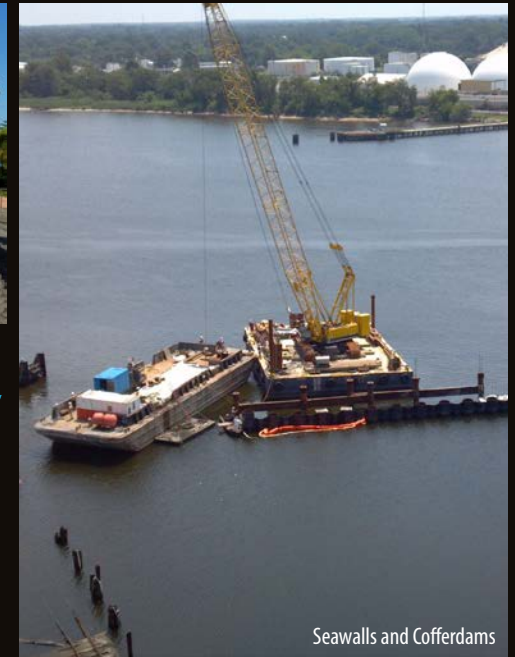
Sunset Pile Driving



Beach Building



**WATERFRONT
CONSTRUCTION IS VERY
SPECIALIZED AND CAN
BE COMPLICATED, BUT
RELAX – WE'VE GOT
THIS COVERED.**



Seawalls and Cofferdams

Crane-front Dining!



Excavation



Turbidity Control



Complex Curves!



EXPERTISE. THE WHARF.

Permanent and Transient Floating Docks



Electric Boats



The Small Version — Getting It Right

THE WHARF IN WASHINGTON DC IS ONE OF AMERICA'S MOST SUCCESSFUL AND AWARDED WATERFRONT REDEVELOPMENT PLANS, AND WE WERE THERE EVERY STEP OF THE WAY.

Waterfront Entertainment



Water-Borne Transportation



EXPERTISE. ICONS.

The Marina at Atlantis, Bahamas



Huntington Beach Pier, CA



The Queen Mary, Long Beach, CA



National Harbor, MD

Woodies on the Wharf, Washington DC



Aquarium of the Pacific, Long Beach, CA

Recreation Pier



**WATERFRONTS CAN
MAKE A STATEMENT
ABOUT A PLACE, TIME,
OR PEOPLE, BUT MOST
IMPORTANTLY, THEY TELL
A MEMORABLE STORY.**

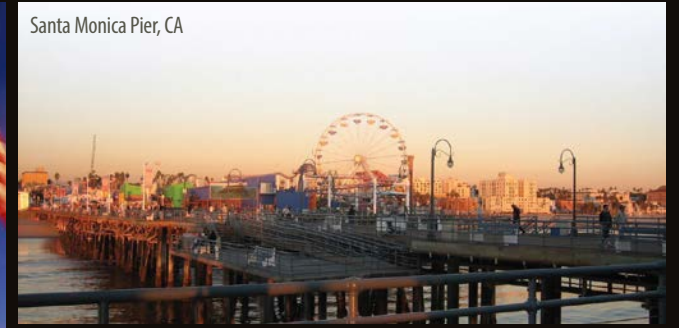


Nautical Cruise Terminal – Pier 4



America's Maritime Front Porch

Santa Monica Pier, CA



District Pier

EXPERTISE.

NAVIGATION, SIMULATION AND TRAFFIC ANALYSIS.

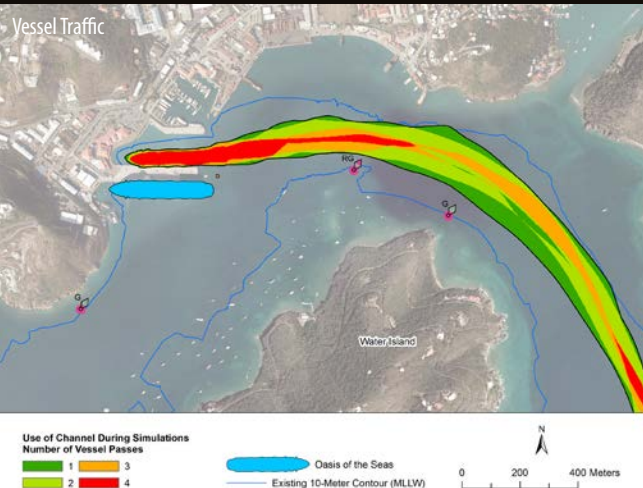
Simulation



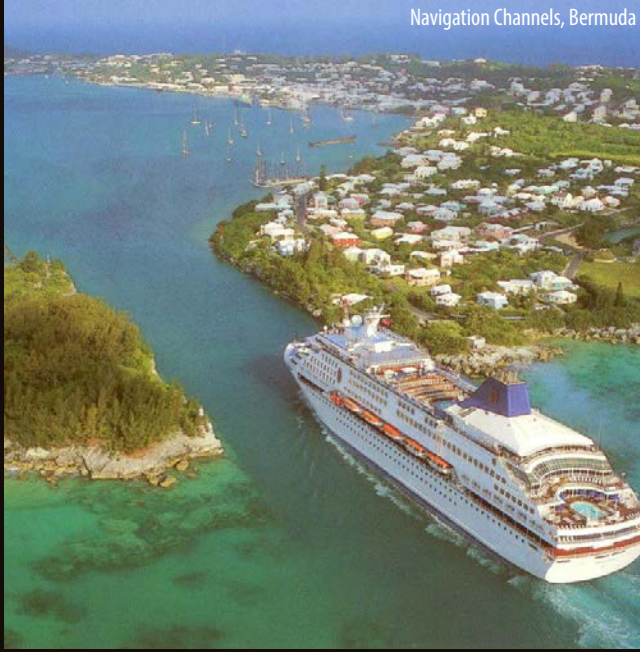
Real-time Navigation Simulator



Vessel Traffic



Navigation Channels, Bermuda



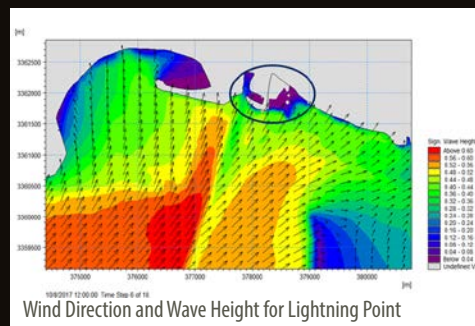
Harbor Navigation



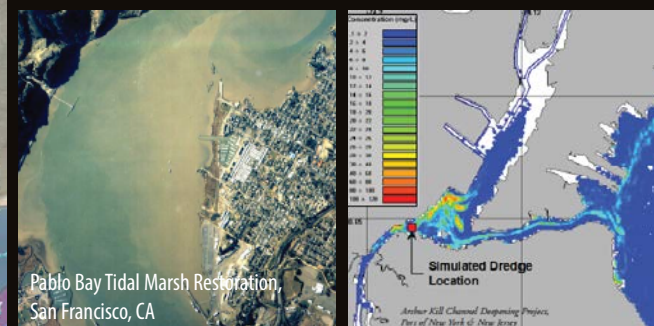
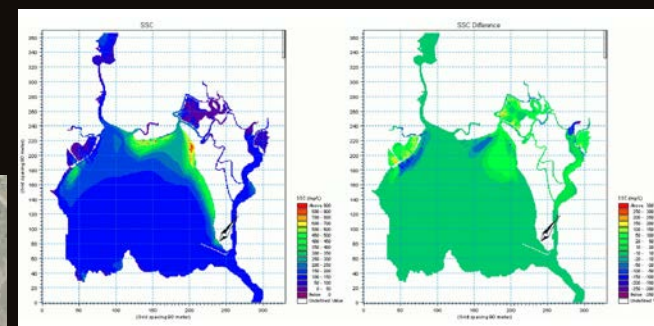
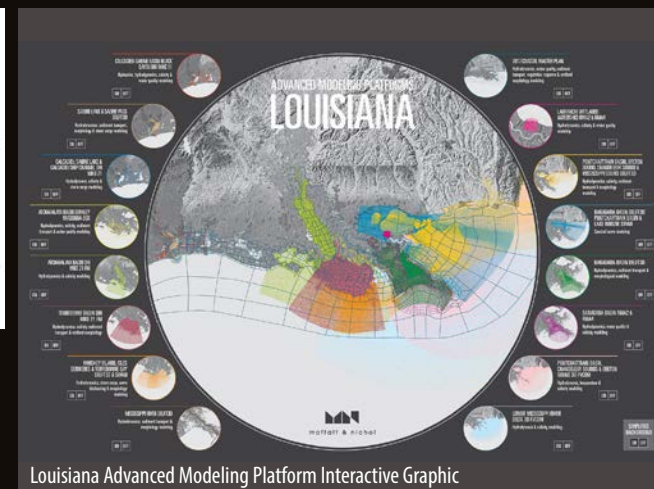
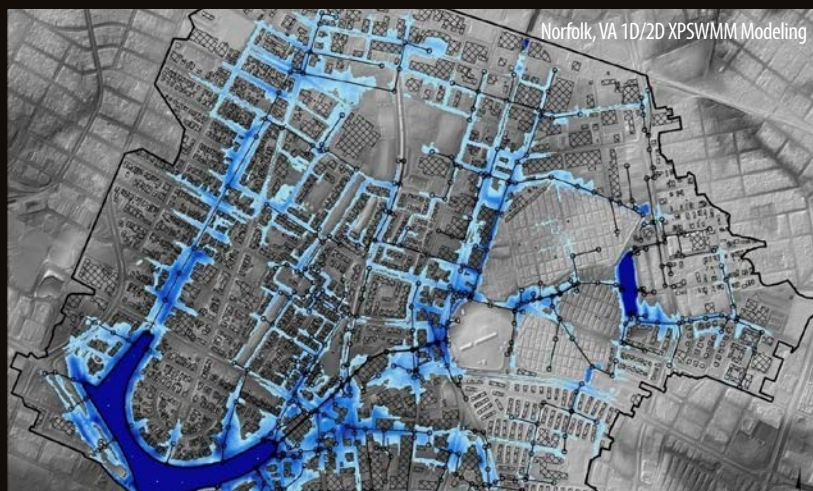
WATERFRONT INFRASTRUCTURE IS ONLY USEFUL IF YOU CAN GET YOUR VESSEL TO LAND SAFELY AND EFFICIENTLY. WE NOT ONLY HAVE THE ENGINEERING KNOWLEDGE TO PLAN NAVIGATIONAL CHANNELS, WE ALSO HAVE A FULL-SIZED NAVIGATION SIMULATION BRIDGE TO ALLOW SHIP'S PILOT TO NAVIGATE OUR DESIGNS IN THE E-SPACE.

Navigational AIS Database, Baltimore, MD

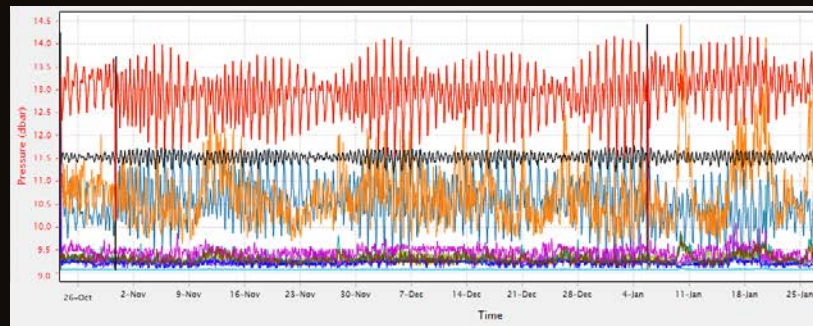
EXPERTISE. NUMERICAL MODELING.



**AT THE FOREFRONT OF
OUR INDUSTRY, OUR
NUMERICAL MODELERS
CAN PROVIDE THOSE
CREATIVE, PRACTICAL
SOLUTIONS.**



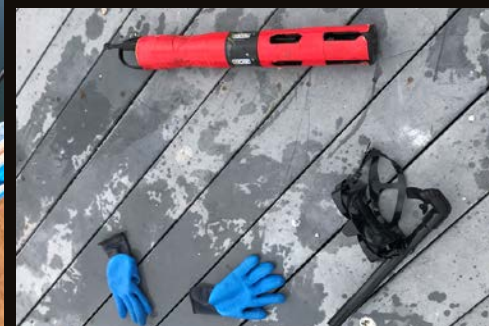
EXPERTISE. INSTRUMENTATION.



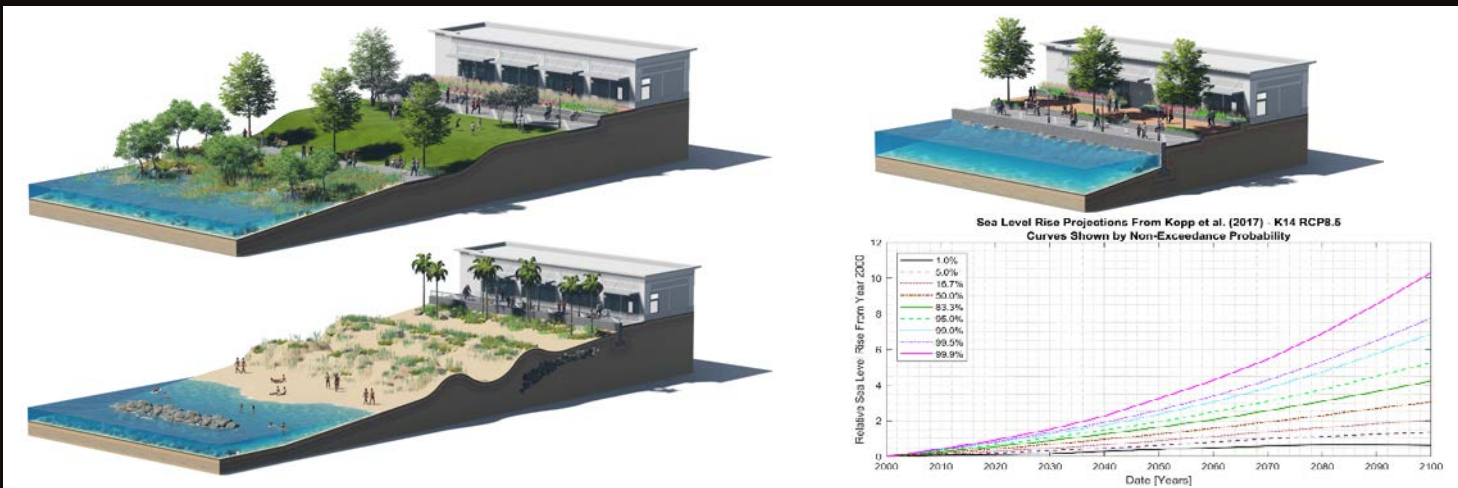
EXPANDING OUR
KNOWLEDGE THROUGH
SITE-SPECIFIC QUALITY
DATA COLLECTION
AND PROCESSING
EXPERTISE.



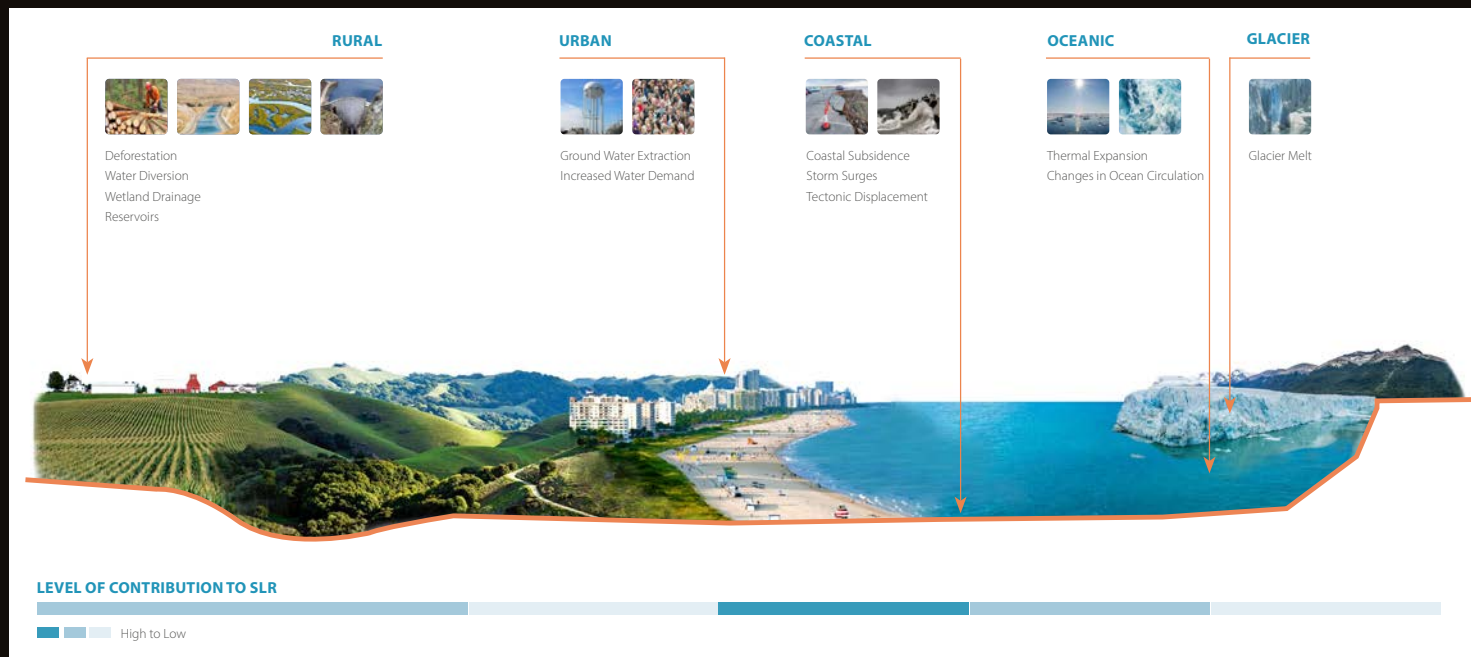
Bluetooth Interface = Easy Download



EXPERTISE. RESILIENCY.



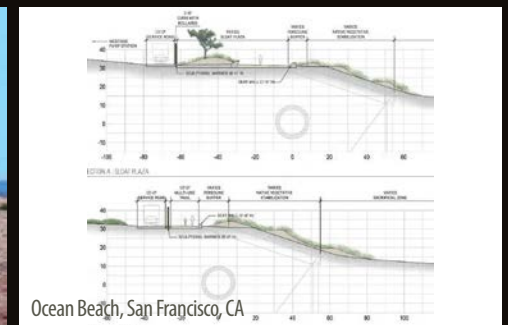
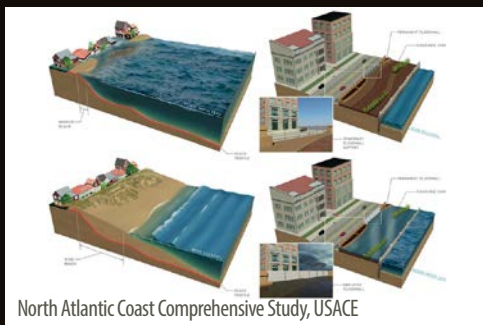
WE UNDERSTAND THE RISKS ASSOCIATED WITH SEA LEVEL RISE AND COASTAL FLOODING, BUT MORE IMPORTANTLY, WE KNOW HOW TO DESIGN A PROTECTION AND RECOVERY SYSTEM THAT CAN ADAPT TO CHANGING CONDITIONS OVER TIME.



EXPERTISE. COASTAL STORM RISK MANAGEMENT PROJECTS.



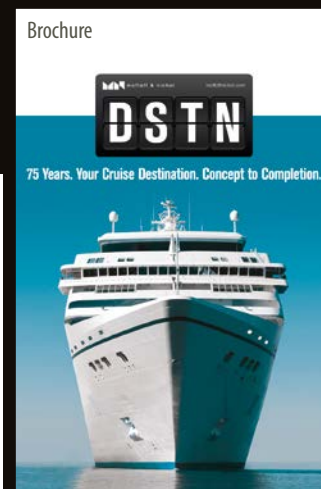
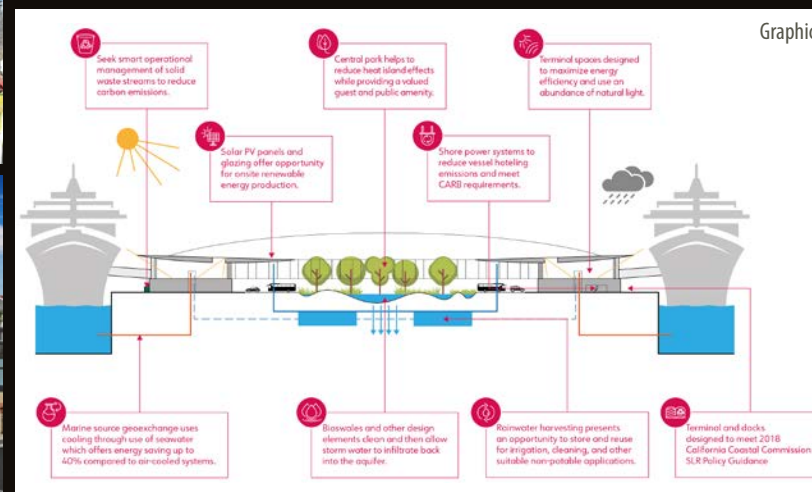
COASTAL FLOOD RISK FROM SEA LEVEL RISE, INCREASED STORMINESS, INCREASED WAVE ENERGY AND CHANGING RAINFALL PATTERNS CALL FOR A RANGE OF SOLUTIONS FROM NATURE-BASED LIVING SHORELINES AND GREEN INFRASTRUCTURE TO HARDSCAPE SHORELINE TREATMENTS AND GRAY INFRASTRUCTURE.



EXPERTISE. GRAPHIC DESIGN AND VISUALIZATION.



OUR DESIGN CAPABILITIES ALLOW US
TO CONVEY COMPELLING CONCEPTS TO
CLIENTS AND THE PUBLIC.



EXPERTISE. COLD WEATHER HARBORS.

The Wharf, Washington DC



BEAT THE FREEZE. ROBUST AND EFFECTIVE DESIGN SOLUTIONS PROVIDING HARBOR USERS A MEASURE OF COMFORT AND SAFETY IN THE COLDEST OF SEASONS.



Robust Ladders for Quick Egress from Cold Water



Insulated Fire Protection Riser



Freeze Free Water Service



Light Snow in Seldovia, AK



Non-Slip Coatings Reduce Slips on Frosty Surfaces

EXPERTISE.

ACCESSIBILITY IN HIGH TIDAL RANGES.

False Creek Boating Centre, Vancouver, BC



TIME AND TIDE
WAIT FOR NO MAN.
ACCESSIBILITY TO THE
WATER'S EDGE, EVEN IN
THE MOST DRAMATIC OF
TIDAL RANGES.



ANB Harbor, Sitka, AK

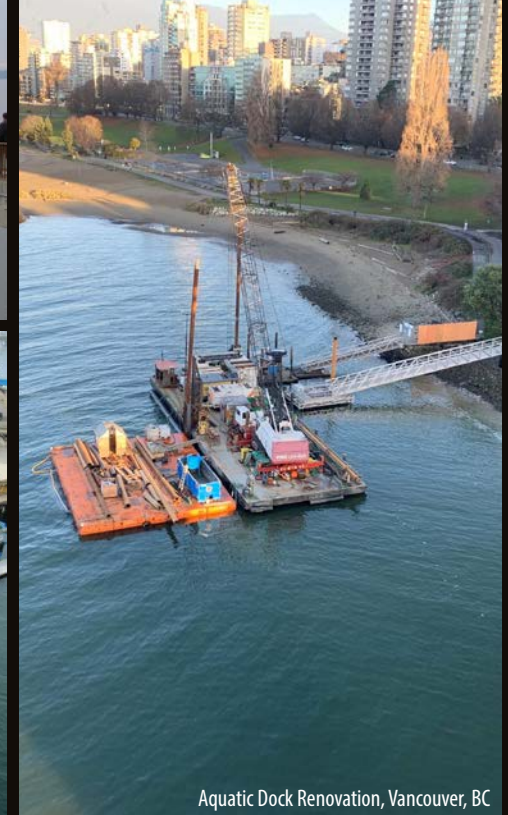
Suquamish Pier Replacement, Seattle, WA



Granville Island Public Market Marina, Vancouver, BC



Icy Strait Point, Hoonah, AK



Aquatic Dock Renovation, Vancouver, BC

PEOPLE. CREATIVE PEOPLE.



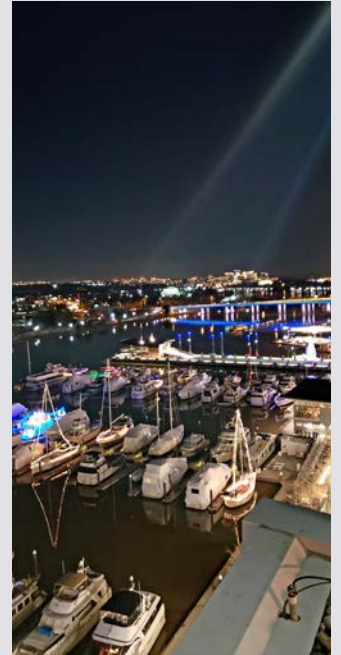
WE ARE
PASSIONATE
ABOUT OUR
CLIENTS,
PROJECTS AND
COMMUNITIES.



PEOPLE. TRAVELERS.



OUR TEAM IS
PASSIONATE
ABOUT THE
WATERFRONT
AND THEY
HAVE TURNED
THEIR
CAMERAS ON
SOME OF THEIR
FAVORITE
PROJECTS FOR
YOU TO ENJOY.





moffatt & nichol

