SW BUILD

FLOOD MITIGATION SOLUTIONS

For Residential, Commercial & Infrastructure Protection

swbuild.ae

swbuild.co.uk

ABOUT

SW BUILD

SW Build deliver Flood Mitigation and Waterproofing solutions to British Standards in the Middle East - offering robust protection for residential, commercial and critical infrastructure

Flood Protection & Mitigation Process Guide

Protect your property with our proven process.

1.Initial Consultation
Site visit or online meeting to assess your needs

2. Preliminary Flood Risk Screening
Quick evaluation of potential risks using maps and data.

3. Detailed Flood Risk Assessment (FRA)
In-depth survey including elevation, water flow, and history.

4. Report & Recommendations
We provide tailored protection advice.

5. Flood Mitigation Options
Includes flood barriers, sump pumps, landscaping solutions.

6. Quotation & Planning
Transparent quote and timeline for delivery.

7. Implementation of Flood Action Plan
Full installation with documentation and guidance

8. Ongoing Support & Maintenance
Optional inspections and upgrades for long-term protection.

Flood Glass Wall System

SW BUILD

FEATURES

- Certified to British standards for Coastal Defence
- Approved by the UK Environmental Agency
- Premium, customisable aesthetics
- Impact-tested with optional upgrades for blast-proofing and hostile vehicle mitigation
- Engineered for fast-track production schedules

INSTALLATION METHODS

- Integrated into decorative structures
- Minimal fixing
- Steel or aluminium frame
- Modular and fully customisable

BENEFITS

- Tested for impact resistance against floating debris
- Flexible design options
- Low maintenance
- Scalable for various project sizes

Pop up and Flip up flood Barrier

SW BUILD

FEATURES

- Automatic activation triggered by rising floodwater
- Discreet, low-profile design, flush with ground level
- Rapid deployment for immediate flood protection
- Low-maintenance, durable, corrosion-resistant construction

INSTALLATION METHODS

- Below-ground trench installation for premium aesthetics
- Integrated drainage and pumping system tailored to site requirements
- Modular and fully customisable
- Engineered to fit specific project conditions

BENEFITS

- Unobtrusive protection that minimises tripping hazards
- Automatic operation – no manual intervention required
- Fast and efficient installation
- Reliable, low-maintenance performance by our trained experts

Single or Double Flood Proof SR2/SR3 Security rated doors

SW BUILD

FEATURES

- Dual protection: certified flood resistance and security rating
- Robust steel construction with watertight seals
- Available in a variety of sizes, finishes, and locking mechanisms
- Optional escape hatch for emergency access during flood events

INSTALLATION METHODS

- Precision-fitted to existing openings
- Surface-mounted or recessed options
- Secure anchoring with heavy-duty fixings and reinforced frames
- Installed by certified professionals

BENEFITS

- Enhanced protection for high-security, flood-prone sites
- Peace of mind with reliable, robust flood defence
- Minimal disruption with quick installation
- Premium, customisable aesthetics

Heavy-Duty Steel Flood Gates

SW BUILD

Industrial-Grade Flood Control

ROBUST STEEL GATES CUSTOM-BUILT FOR:

- Critical infrastructure
- Industrial and transport sites
- Utility buildings and coastal defences

CONTACT US FOR:

- Custom sizing and fabrication
- Turnkey project support
- Expert installation

Modular Aluminium Flood Barriers

SW BUILD

FEATURES:

- Marine-grade anodised aluminium
- EPDM seals for superior water tightness
- Stackable beams at 150mm height per beam
- Custom lengths up to 6 metres

INSTALLATION METHODS:

- Between jambs
- In front of openings
- Double U-posts for wider spans

BENEFITS:

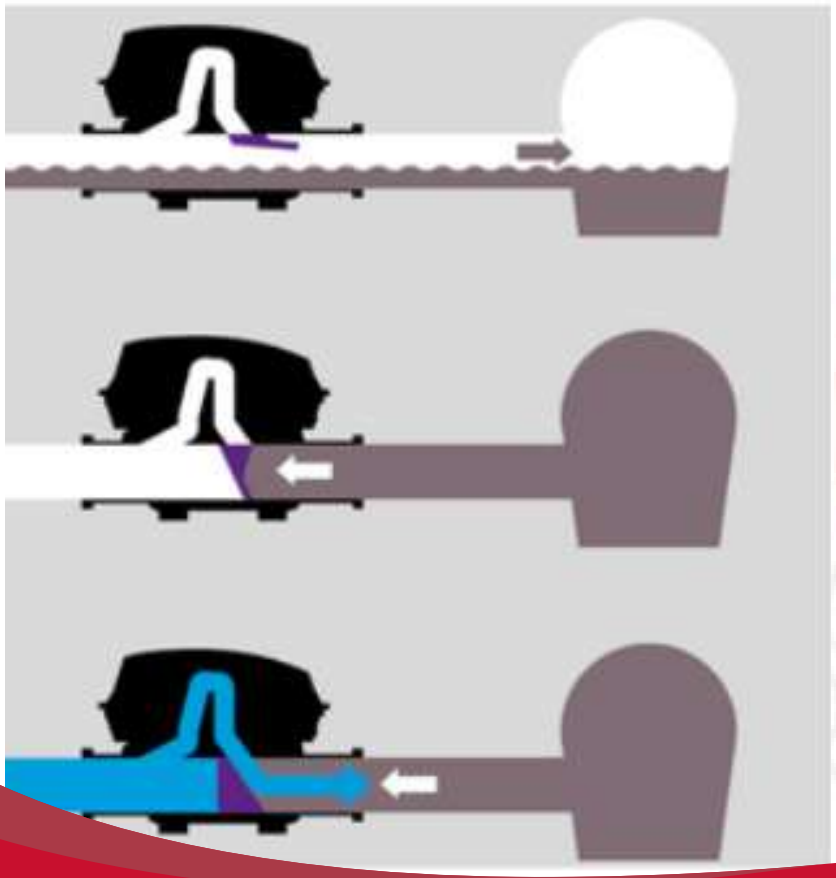
- Easy handling and installation without tools
- Modular and fully customisable
- Certified by WTCB
- Approved for infrastructure applications
- Low maintenance

Backwater Pumps and non return valves

SW BUILD

FEATURES:

- Automatic backflow prevention with integrated non-return valve
- Built-in pumping system for active wastewater removal during sewer blockage
- Failsafe dual-function design – passive under normal conditions and automatic during backflow events
- Compact, retrofit-friendly solution



Crash Tested Flood Proof Solid Perimeter

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FEATURES:

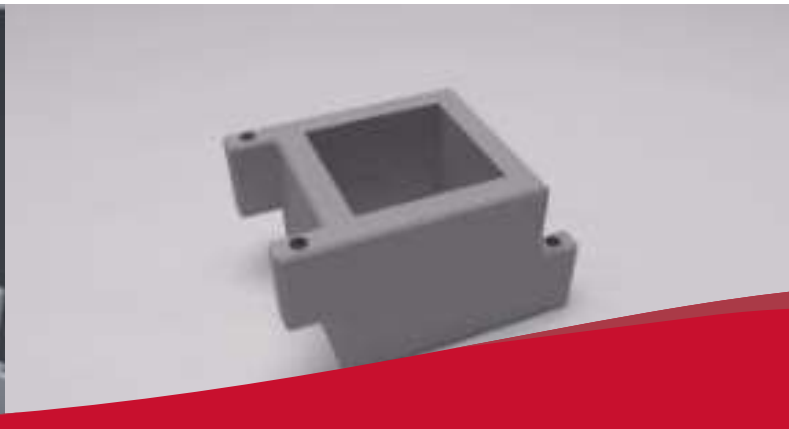
- Crash-tested to withstand high-impact vehicle collisions
- Integrated flood barrier with waterproof seals
- Modular, scalable design for flexible site layouts
- Durable construction with high-strength materials

INSTALLATION METHODS:

- Prefabricated modular panels for minimal on-site construction time
- Simple foundation requirements
- Hollow sections allow for decorative floral additions
- Flexible layout adaptation for complex sites and specific security/flood protection needs

BENEFITS:

- Combined flood defence and vehicle security in one solution
- Rapid installation to reduce labour and project timelines
- Fully customisable for site-specific aesthetics
- Long-lasting durability with corrosion-resistant materials



Crash Tested Bollards with integrated Glass Panels

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FEATURES:

- Certified impact resistance against vehicle collisions
- Seamlessly integrated with glass flood barriers
- Dual-purpose: physical security and flood defence
- Weather-resistant, high-strength materials

INSTALLATION METHODS:

- Precisely aligned and securely mounted to coordinate with glass panels
- Embedded in reinforced concrete foundations for maximum stability
- Integrated sealing systems to prevent water ingress
- Coordinated glass and bollard installation for seamless flood protection

BENEFITS:

- Sleek, minimalist design for a modern appearance
- Transparent flood protection that preserves sightlines and natural light
- Custom finishes available, including powder-coated or polished metal and printed glass
- Visually appealing, fully integrated flood defence system

On site testing

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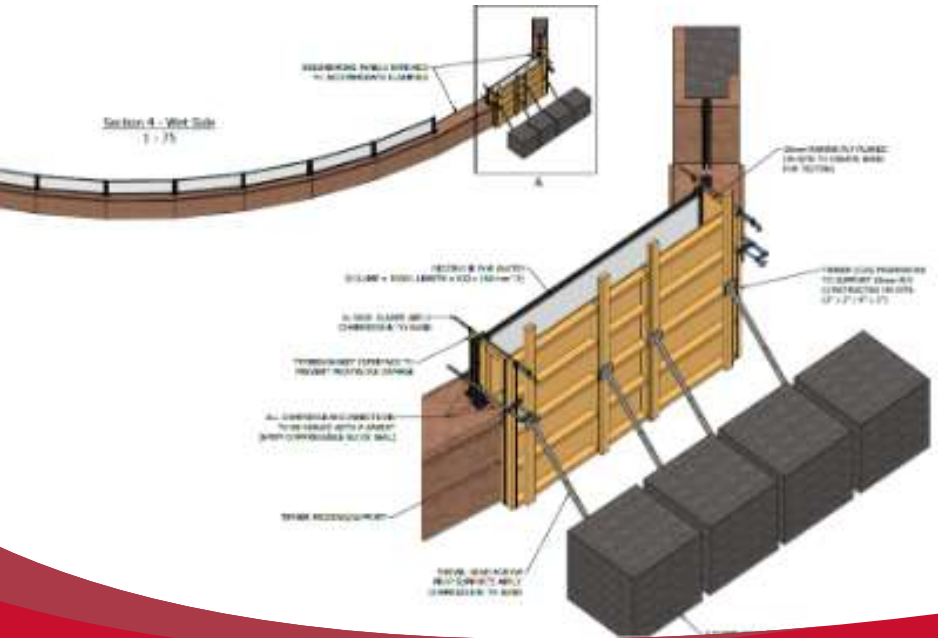
FEATURES:

- Real-time performance testing of flood mitigation barriers under actual conditions
- Immediate identification of leaks, weaknesses, or installation errors
- Ongoing performance verification throughout the barrier's lifecycle
- Ensures full compliance with safety standards and project specifications

BENEFITS:

- Reliable flood protection through validated, on-site performance
- Reduces costly repairs by detecting issues early
- Builds confidence among project stakeholders through verified safety
- Minimises delays by resolving issues immediately



SW BUILD

WHY CHOOSE SWBUILD?

- Globally Trusted British Engineering
- BS & WTCB Certified Solutions
- Complete Service: Design, Supply & Installation
- Serving Residential to Mega Infrastructure Projects

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