FLOOD MANAGEMENT
CONCRETE SOLUTIONS

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AGENDA

• The growing threat of floods
• Benefits of precast concrete solutions
• Precast concrete reservoirs
• Comparison with alternative solutions
• Future developments in flood management
THE GROWING THREAT OF FLOODS

• Rapid urbanization

• Climate change

• Outdated or undersized drainage systems
THE GROWING THREAT OF FLOODS
BENEFITS OF PRECAST CONCRETE SOLUTIONS

• Durability & strength

• Flexibility in design and construction

• Low maintenance
PRECAST CONCRETE RESERVOIRS

• Minimal cover height
• Low maintenance

Easy to incorporate additional features
• Water control gates
• In- and outlet structures
• Overflow systems
• Combine with oil/heavy metal separator
COMPARISON WITH ALTERNATIVE SOLUTIONS

Precast concrete
• Durability and strength
• Flexibility in design and construction
• High density
• Long lifespan

Plastic
• Easier to handle
• Resistant to corrosion and chemicals
FUTURE DEVELOPMENTS IN FLOOD MANAGEMENT

• Integration of technology

• Sustainable designs

• Enhanced simulations
CONCLUSION

• Flood management is a pressing challenge that requires proactive solutions.

• Precast concrete solutions offer a reliable, versatile, and durable approach to mitigating flood risks.

• By embracing advancements in technology, sustainable practices, and collaborative efforts, we can pave the way for a safer and more resilient future.