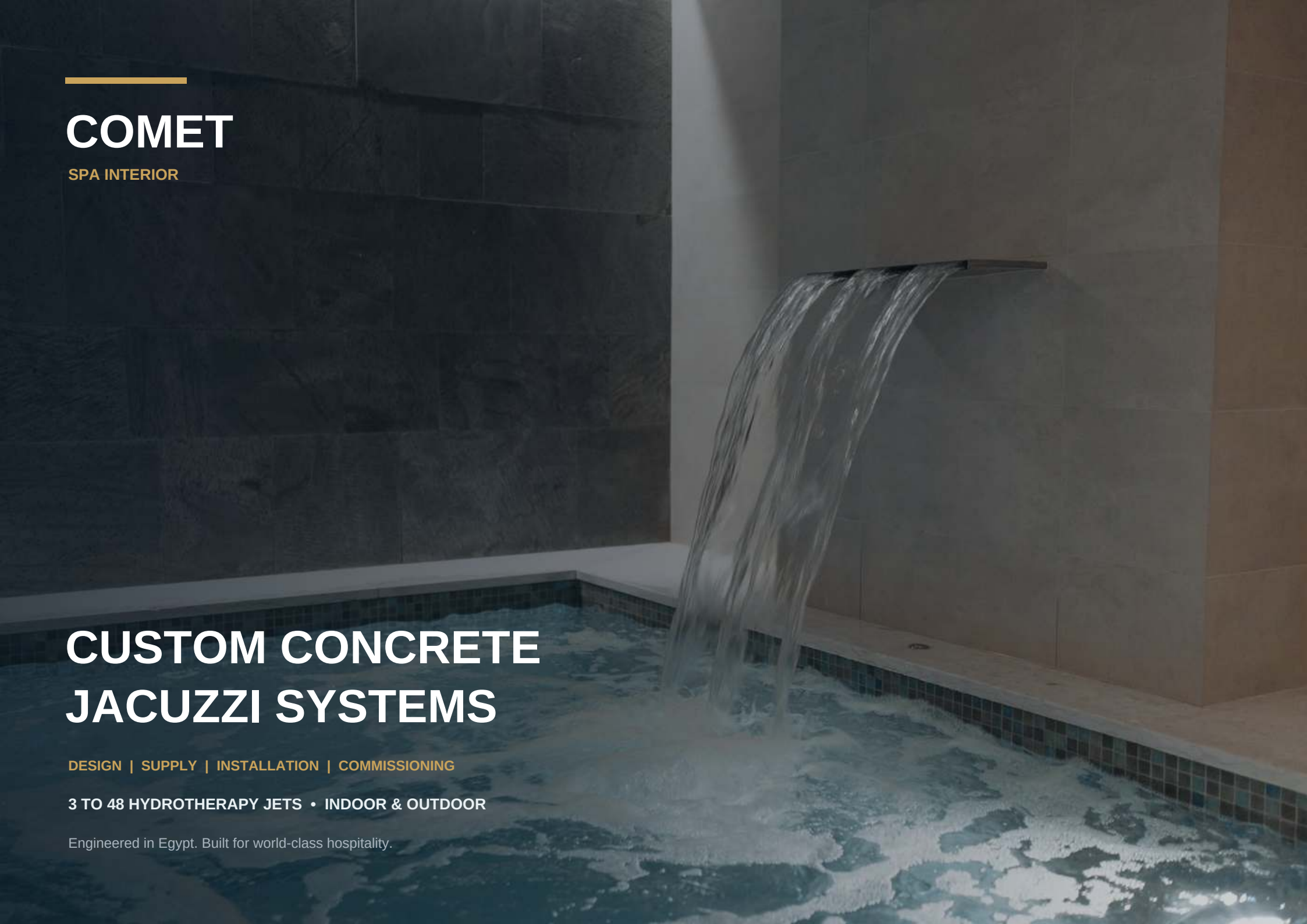


COMET

SPA INTERIOR

CUSTOM CONCRETE JACUZZI SYSTEMS

DESIGN | SUPPLY | INSTALLATION | COMMISSIONING

3 TO 48 HYDROTHERAPY JETS • INDOOR & OUTDOOR

Engineered in Egypt. Built for world-class hospitality.

BUILT AROUND YOUR ARCHITECTURE

A Jacuzzi without limits

A permanent, fully integrated wellness feature shaped around the space, the guest journey and

- **Architectural freedom**

  Straight, curved, sunken, raised or infinity-edge forms - designed to suit private villas, hotels, clubs and destination spas.

- **Bespoke hydrotherapy**

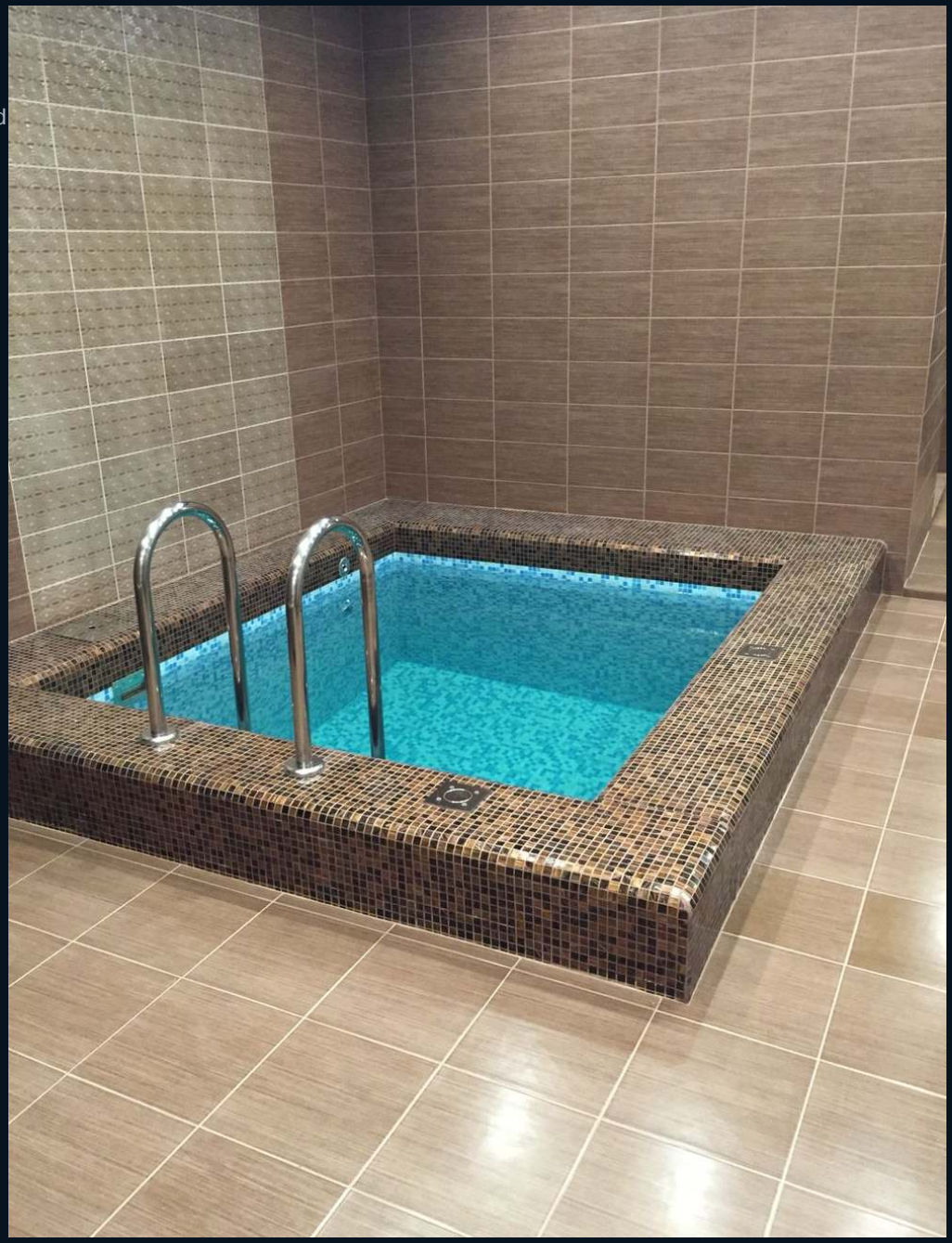
  Jet count, position and intensity are selected for the intended users, seating geometry and massage zones.

- **Integrated engineering**

  Structure coordination, waterproofing interfaces, hydraulic design, filtration, heating, electrical control and testing under one specialist scope.

- **Indoor or outdoor**

  Material and equipment selections are adapted for ventilation, weather, ambient temperature, corrosion exposure and operating schedule.



A SCALABLE PLATFORM

From 3 to 48 jets

Every system is hydraulically calculated and divided into balanced massage zones. The matrix below is a planning guide; final equipment is selected after design review.

JET RANGE	TYPICAL USE	MASSAGE ZONES	PUMP STRATEGY	FILTRATION	CONTROL
3-6	Compact / private	1	Single duty	Dedicated	Local
9-12	Private / suite	1-2	Duty selected	Dedicated	Local / digital
15-18	Villa / boutique	2-3	Multi-zone	Dedicated	Digital
24	Hotel / club	3-4	Multi-pump	Commercial	Digital + protection
30-36	Large hospitality	4-6	Zoned multi-pump	Commercial	Engineered panel
42-48	Signature installation	6-8	Zoned multi-pump	High-rate commercial	Engineered panel

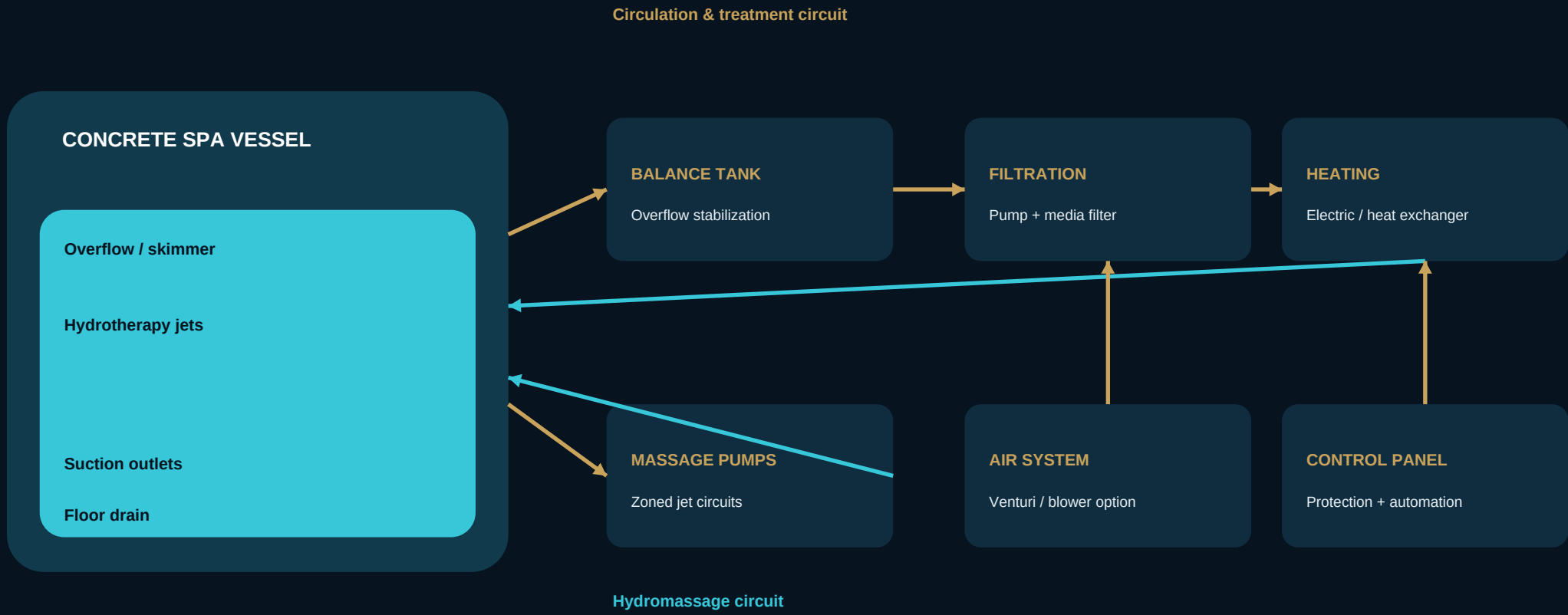
Design note

Pump quantity and power depend on jet model, desired pressure, pipe length, elevation and simultaneous-use logic. Electrical supply and heater capacity are project-specific.

HYDRAULIC CONCEPT

Complete system architecture

Separate circulation and massage circuits support clean water, stable temperature and powerful, controllable hydrotherapy.



Precision at every penetration

Correct selection, placement and sealing of fittings are critical to safety, comfort and long-term reliability.



Hydrotherapy jets

Directional, rotating or pulsating options create targeted massage patterns.



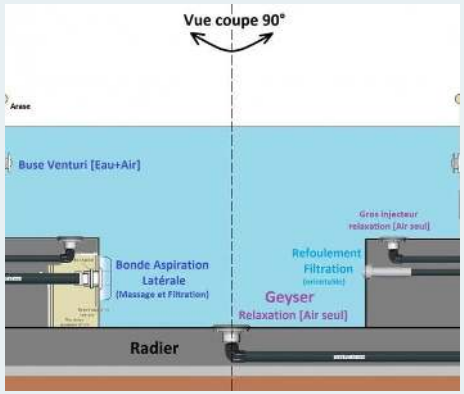
Overflow channel

Perimeter collection produces a premium waterline and supports high bather load.



Skimmer option

A compact surface-cleaning solution where an overflow system is not required.



Inlets & outlets

Balanced returns, dual suction outlets and serviceable drains support safe circulation.

ENGINE ROOM

The performance behind the experience

A serviceable plant-room layout is engineered for hydraulic balance, quiet operation, safe maintenance and future access.





- **Massage pumps**

  Dedicated or zoned pumps matched to jet flow and head-loss calculations.

- **Filtration package**

  Circulation pump, media filter, valves and gauges selected for water volume and turnover.

- **Heating package**

  Electric heater or heat-exchanger solution sized for ambient conditions and recovery time.

- **Hydraulic manifold**

  Labeled pressure and suction headers with isolation, balancing and non-return valves.

- **Service access**

  Clear maintenance paths, drainage, ventilation and acoustic treatment where required.

INTELLIGENT PROTECTION

Control, safety & automation

The panel is designed around the approved equipment schedule and local electrical requirements.

POWER

Main isolator, circuit protection and phase monitoring

MOTOR

Individual protection and contactors for each pump

TEMPERATURE

Digital thermostat and heater interlocks

WATER

Low-flow / dry-run and level protection as applicable

LIGHTING

Underwater LED transformer and switching

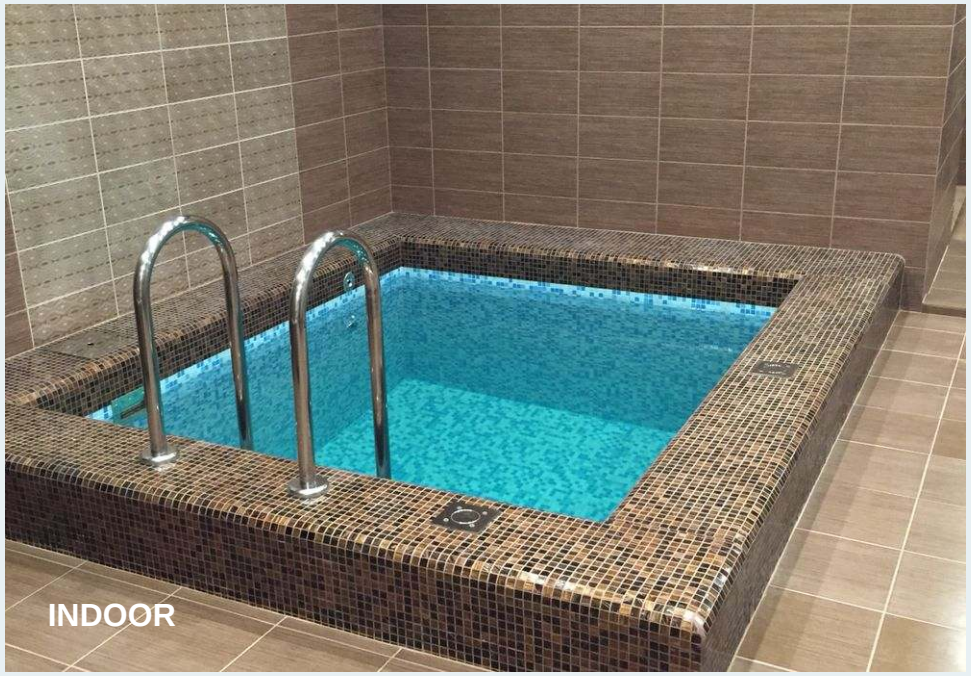
OPERATION

Timer, selector switches and optional touch interface

Optional integration: BMS dry contacts • remote enable • operating-hour meters • fault indication • variable speed control where suitable

ONE SYSTEM. TWO ENVIRONMENTS.

Indoor or outdoor - engineered correctly



Humidity strategy • ventilation coordination • vapor-resistant finishes • acoustic control • floor drainage



Weather-resistant finishes • thermal-loss strategy • cover provision • drainage • corrosion-conscious equipment selection

Benefits

Permanent architectural value • flexible size and finish • powerful zoned massage • premium guest experience • maintainable commercial-grade equipment

TURNKEY EXPERTISE

From first sketch to first bubble

Comet coordinates the technical interfaces that turn a concrete shell into a refined, reliable wellness asset.

01 DISCOVERY

Capacity, users, location and experience brief

02 DESIGN

Layout, jet map, hydraulic calculations and MEP requirements

03 COORDINATION

Structure, sleeves, waterproofing and finish interfaces

04 INSTALLATION

Pipework, fittings, equipment, panel and lighting

05 TESTING

Pressure tests, balancing, safety checks and commissioning

06 HANDOVER

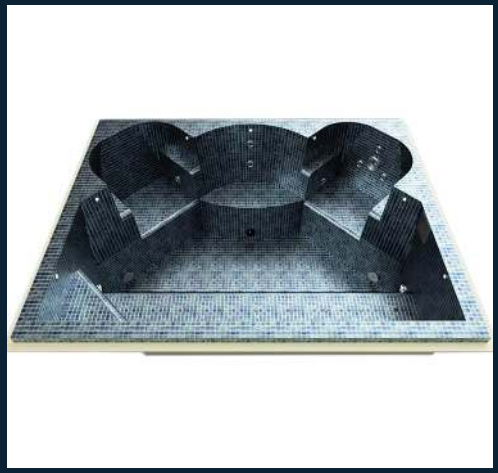
Training, operating guidance and maintenance schedule

SELECTED WORK

Designed as architecture. Felt as therapy.









DESIGN BASIS

What we define before manufacture

VESSEL

Internal dimensions • operating depth • seating • access steps • water volume • finish system

HYDROTHERAPY

Jet count 3-48 • jet types • massage zones • simultaneous operation • air induction / blower

WATER TREATMENT

Overflow or skimmer • turnover target • filtration • heating • make-up water • drainage

PLANT ROOM

Location • level difference • pipe runs • ventilation • drainage • maintenance clearances

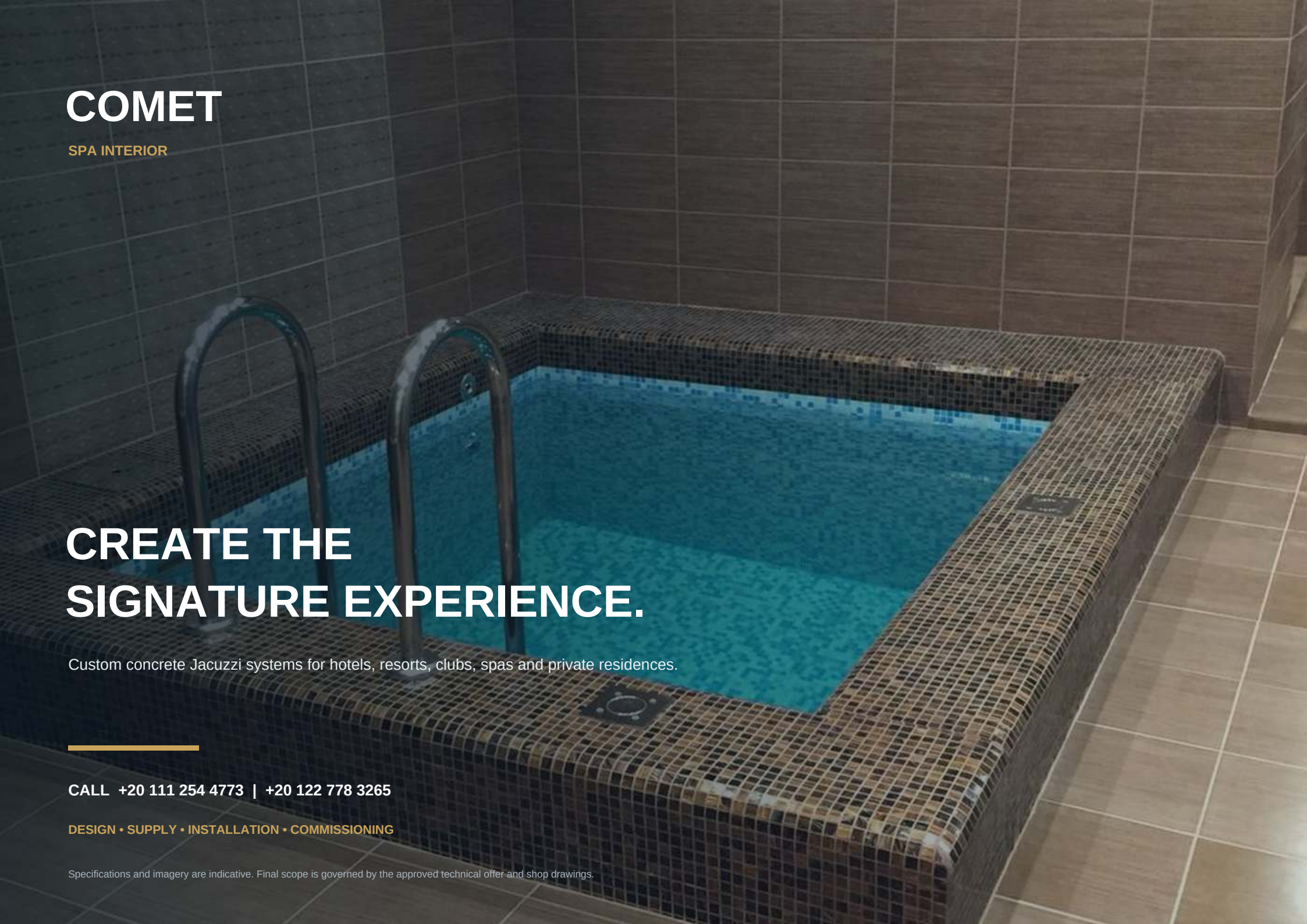
ELECTRICAL

Supply voltage • connected load • protection • lighting • controls • BMS interface

SITE INTERFACES

Structural shell • waterproofing responsibility • sleeves • builder’s work • testing sequence

All capacities and equipment selections are subject to final engineering, approved shop drawings and confirmed site conditions.



COMET

SPA INTERIOR

CREATE THE SIGNATURE EXPERIENCE.

Custom concrete Jacuzzi systems for hotels, resorts, clubs, spas and private residences.

CALL +20 111 254 4773 | +20 122 778 3265

DESIGN • SUPPLY • INSTALLATION • COMMISSIONING

Specifications and imagery are indicative. Final scope is governed by the approved technical offer and shop drawings.