SABAH PLUMBER ASSOCIATION
Persatuan Tukang Paip Sabah

SPA 2030 BLUEPRINT

FIVE-YEAR STRATEGIC PLAN

2026 – 2030

Building a Professional, Sustainable & Resilient Water & Plumbing Industry for Sabah



PROFESSIONAL DEVELOPMENT

GOVERNMENT & INDUSTRY COLLABORATION

SUSTAINABLE WATER MANAGEMENT

EDUCATION & FUTURE TALENT

INTERNATIONAL PARTNERSHIP

Prepared by : Sabah Plumber Association (SPA)

August 2026

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"Every Pipe Connects Lives. Every Drop Shapes the Future."

「每一条管道，连接人民生活；每一滴清水，塑造沙巴未来。」

SABAH PLUMBER ASSOCIATION
Persatuan Tukang Paip Sabah

SPA 2030 BLUEPRINT
FIVE-YEAR STRATEGIC DEVELOPMENT 2026-2030

PRESIDENT'S FOREWORD
会长前言



Dr. Carmen Wong Wui Meng, ASDK
President
Sabah Plumber Association

Building Today.
Transforming Tomorrow.

立足今天·转型未来



The launch of SPA 2030 – Five-Year Strategic Development Blueprint 2026–2030 marks an important new chapter for the Sabah Plumber Association.

Since our establishment, SPA has grown beyond representing the plumbing profession. We are becoming a platform that connects government, industry, academia, training institutions, communities and international partners.
Sabah's water and plumbing challenges require shared responsibility and long-term collaboration. SPA does not seek to replace government agencies, regulators or water operators. Our role is to support, connect, advocate and contribute where our profession and industry can make a meaningful difference.

Through five strategic pillars, SPA 2030 will focus on strengthening professional competency and industry standards, building stronger partnerships, supporting sustainable water practices, developing future talent and expanding international collaboration.

SPA 2030 is not a commitment of the Association alone. It is a shared journey with our members and partners towards a stronger profession and a more sustainable water future for Sabah.

Every Pipe Connects Lives. Every Drop Shapes Sabah's Future.

《SPA 2030——2026–2030五年战略发展蓝图》标志着沙巴水喉同业公会迈向新的发展阶段。

SPA 不仅代表水喉专业人士，更致力成为连接政府、产业、学术与培训机构、社区及国际伙伴的平台。

沙巴水务行业面对的挑战需要各方共同承担、长期合作。SPA 的角色并非取代政府、监管机构或水务运营单位，而是在专业与行业能够发挥作用的领域，积极支持、连接、倡议及贡献。

未来五年，SPA 将通过五大战略支柱，提升专业能力与行业标准、加强合作、推动可持续水务实践、培养未来人才，并拓展国际合作。

SPA 2030 不只是公会的承诺，更是我们与会员及各界伙伴共同迈向更专业、更具韧性及可持续水务未来的共同旅程。

Carmen Wong

Dr. Carmen Wong Wui Meng, ASDK
President
Sabah Plumber Association

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BUILDING A RESILIENT WATER & PLUMBING INDUSTRY FOR SABAH

为沙巴建设更具韧性的水务与水喉行业

Sabah's water and plumbing sector plays an essential role in public health, economic development and sustainable communities. As the State continues to develop, the sector faces growing challenges including ageing infrastructure, water losses, climate resilience, wastewater management, evolving technology and the increasing need for skilled professionals.

These challenges require more than infrastructure investment alone. They call for stronger professional standards, continuous skills and competency development, closer collaboration among government, industry and academia, and wider adoption of technology, innovation and sustainable practices.

Within this environment, the Sabah Plumber Association has an important role as an industry connector and professional platform — bringing together practitioners, government agencies, industry partners, education and training institutions, and regional and international networks.

SPA 2030 provides a five-year strategic direction to strengthen the profession, deepen collaboration and enable the plumbing industry to contribute meaningfully to Sabah's long-term water resilience and sustainable development.

沙巴水务与水喉行业在公共卫生、经济发展及可持续社区建设中发挥着重要作用。

随着沙巴持续发展，行业正面对基础设施老化、无收益水、气候韧性、污水管理、科技发展以及专业技术人才需求增加等挑战。

这些挑战不能单靠基础设施投资解决，更需要提升专业标准、持续加强技能与专业能力培训、深化政府、产业与学术界之间的合作，并推动科技、创新及可持续实践的应用。

在这样的行业环境下，沙巴水喉同业公会将发挥行业连接者与专业平台的作用，连接从业人员、政府机构、产业伙伴、教育与培训机构，以及区域和国际合作网络。

SPA 2030 为未来五年提供清晰的战略方向，通过提升专业水平、深化合作，让水喉行业为沙巴长期水务韧性与可持续发展作出更有意义的贡献。







CHALLENGES → COLLABORATION → SPA 2030 → IMPACT

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Executive Summary
执行摘要

FROM VISION TO ACTION

SPA 2030 is the Sabah Plumber Association's five-year strategic plan for 2026–2030, providing a clear roadmap to strengthen the profession, deepen collaboration and contribute to the long-term development in Sabah's water and plumbing industry.

Building on SPA's experience in professional development, community engagement, industry collaboration and knowledge exchange, the Blueprint sets a clear strategic direction for the Association's next phase of development through five strategic pillars.

从愿景走向行动

SPA 2030 是沙巴水喉同业公会 2026 至 2030 年的五年战略规划，为公会未来发展提供清晰路线，通过提升专业水平、深化多方合作，为沙巴水务与水喉行业的长期发展作出贡献。

在专业发展、社区参与、行业合作及知识交流所建立的基础上，本蓝图通过五大战略支柱，为公会下一阶段的发展确立清晰的战略方向。

SPA 2030

Building a Professional, Sustainable & Resilient Water & Plumbing Industry for Sabah

Five Strategic Pillars

- **Professional Development**
- **Government & Industry Collaboration**
- **Sustainable Water Management**
- **Education & Future Talent**
- **International Partnership**

Expected Impact by 2030

Stronger Plumbing Profession	Better Industry Standards	Sustainable Water Practices	More Skilled Workforce	Stronger Partnerships	International Recognition
更强的水喉专业行业	更完善的行业标准	更可持续的水务实践	更多专业技术人才	更紧密的合作伙伴关系	更高的国际认可

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OUR TRACK RECORD

EDUCATION & COMMUNITY OUTREACH

Building Water Awareness for Future Generations

社区教育与推广
为下一代建立水资源意识



World Plumbing Day Community Outreach Programme
SK Garau Kudat, Kudat – 2025

Through continuous collaboration with schools and communities, SPA promotes water conservation, hygiene awareness and responsible plumbing practices among the younger generation.

通过与学校及社区的持续合作，SPA 积极推广节约用水、卫生意识及正确的水喉使用知识，培养下一代的环保责任感。

17 Schools Engaged 2023 – 2025

Over1,000+ Students Reached

3 Years of Consistent Outreach 2023 – 2025

Building a Culture of Water Responsibility from Young

PROGRAMME HIGHLIGHTS

Water Awareness Education
节水意识教育
Engaging students with fun learning activities on water conservation and responsible usage.
透过有趣的学习活动，向学生传递节约用水与正确用水的重要性。

Creative & Meaningful Learning
创意学习
Students created and performed a special song “Air Mengalir, Hidup Ceria” to spread the message of clean water for all.
学生创作并演唱主题歌曲《Air Mengalir, Hidup Ceria》，传递清水带来快乐生活的信念。

Community Impact
社区影响
Inspiring young minds to care for water, protect the environment, and become agents of change in their homes and communities.
激发年轻一代保护水资源、爱护环境，并在家庭与社区中成为改变的力量。

Partnership & Appreciation
合作与肯定
Strengthening ties with schools, teachers and communities in building a sustainable water future together.
加强与学校、教师及社区的合作，携手共建可持续的水资源未来。

Special Water Awareness Song — “Air Mengalir, Hidup Ceria”
(SK. Garau, Kudat)

(Verse 1)
Air mengalir, jernih dan sejuk,
Dari paip bersih ke dapur,
ke bilik,
Jaga paip kita,
jangan bocorkan,
Air berharga,
jangan sia-siakan.

(Chorus)
Hari Paip Sedunia, mari raikan,

Kebersihan dan air kita pelihara,
Air mencuci, air menyegarkan,
Terima kasih paip,
kau sangat berjasa!

(Verse 2)
Paip di dapur, paip di taman,
Setia bekerja, siang dan malam,
Bersama kita jaga alam ini,
Air bersih, masa depan harmoni.

(Chorus)
Hari Paip Sedunia, mari raikan,
Kebersihan dan air kita pelihara,
Air mencuci, air menyegarkan,
Terima kasih paip,
kau sangat berjasa!

(Ending)
Air mengalir, hidup ceria,
Hari Paip Sedunia,
penuh bahagia!

Created and performed as part of SPA’s youth water-awareness programme.





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SABAH PLUMBER ASSOCIATION
Persatuan Tukang Paip Sabah

OUR TRACK RECORD
WORLD PLUMBING DAY

Celebrating the Profession • Educating Communities • Inspiring the Future

我们的实践成果丨世界水喉日
肯定专业 · 教育社区 · 启发未来

World Plumbing Day is celebrated annually on **11 March** to recognise the vital role of plumbing in protecting public health, conserving water resources and supporting sustainable communities.

世界水喉日于每年**3**月**11**日举行，旨在提高社会对水喉专业重要性的认识，并强调安全供水、公共卫生、水资源保护及可持续社区发展的重要性。



2025
BUILDING AWARENESS
提升意识 · 从社区出发



- Community outreach and public education activities across Malaysia
- Promoting water conservation and the value of proper plumbing
- Engaging schools, local authorities and the public

2026
EXPANDING ENGAGEMENT
扩大参与 · 携手合作



- Strengthening collaboration with industry partners and agencies
- More nationwide activities and technical sharing sessions
- Greater participation from schools, colleges and communities

2027 & BEYOND
CONNECTING EDUCATION, INDUSTRY & THE WORLD
连接教育 · 产业 · 世界



- Deepening connection between universities, industry and students
- Inspiring the next generation of plumbing professionals
- Strengthening Malaysia's role in the international plumbing community

OUR IMPACT 我们的影响

Growing Community Reach
持续扩大社区覆盖

Schools & Institutions Actively Involved
众多学校与机构参与

Strong Partnerships Across Sectors
跨领域紧密合作

Raising the Profile of Plumbing Profession
提升水喉行业专业形象

AWARENESS
意识提升
Promoting greater understanding of plumbing, clean water and public health.

EDUCATION
教育推广
Engaging schools, students and communities through water awareness and educational activities.

INDUSTRY ENGAGEMENT
行业参与
Bringing together plumbing professionals, government agencies and industry partners.

BROADER COMMUNITY REACH
扩大社区影响力
Extending World Plumbing Day awareness and engagement to wider communities.



FROM AWARENESS TO IMPACT 从意识提升到实际影响

Through World Plumbing Day, SPA connects the profession with society—turning awareness into education, engagement and long-term industry impact.

通过世界水喉日，SPA 将专业行业与社会连接起来，把公众意识转化为教育、参与及长期行业影响。

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Persatuan Tukang Paip Sabah

SPA 2030 BLUEPRINT
FIVE-YEAR STRATEGIC PLAN 2026-2030

OUR TRACK RECORD
PLUMBING ASIA

Connecting Industry • Sharing Knowledge • Building Partnerships

我们的实践成果 | PLUMBING ASIA
连接行业 · 分享知识 · 共建合作

Plumbing Asia is one of SPA's key industry platforms, bringing together professionals, government agencies, industry leaders, manufacturers, academia and international partners for knowledge exchange, technology sharing and strategic collaboration.

Plumbing Asia 是 SPA 重点打造的行业交流平台，汇聚专业人士、政府机构、业界领袖、制造商、学术机构及国际伙伴，推动知识交流、技术分享与战略合作。



CONFERENCE & FORUM 专业会议与论坛

Industry leaders, experts and professionals exchange insights on water, plumbing and future industry development.



EXHIBITION & TECHNOLOGY 展览与技术交流

Showcasing plumbing products, technologies, solutions and industry innovation.



INDUSTRY NETWORKING 行业交流与连接

Connecting contractors, manufacturers, suppliers, professionals and key industry stakeholders.



INTERNATIONAL COLLABORATION 国际合作

Building stronger regional and international connections for knowledge sharing and industry development.



OUR IMPACT | 我们的影响

KNOWLEDGE EXCHANGE 知识交流

Sharing ideas and best practices to enhance professional competency and industry standards.

TECHNOLOGY & INNOVATION 技术与创新

Promoting practical and sustainable industry solutions.

STRATEGIC PARTNERSHIPS 策略伙伴关系

Building long-term cross-sector collaboration.

REGIONAL & INTERNATIONAL CONNECTIONS 区域与国际连接

Connecting Sabah with regional and international industry networks.

FROM INDUSTRY PLATFORM TO REGIONAL CONNECTION
从行业平台走向区域连接

Through Plumbing Asia, SPA transforms industry engagement into lasting partnerships—connecting Sabah's plumbing and water sector with knowledge, technology and regional networks.



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OUR TRACK RECORD

PROFESSIONAL TRAINING & COMPETENCY DEVELOPMENT

Building Skills • Raising Standards • Strengthening the Profession

专业培训与能力建设

提升技能 · 提高标准 · 强化行业



SPA is committed to building a skilled, competent and future-ready plumbing workforce through continuous training, knowledge sharing and competency development initiatives.

01 — PROFESSIONAL TRAINING
专业培训

Hands-on training to strengthen technical skills, installation practices and workplace competency.

- Plumbing Installation & Maintenance
- Piping Systems & Materials
- Safety, Health & Environment
- Water Efficiency & Conservation



02 — TECHNICAL SEMINARS & KNOWLEDGE SHARING
技术讲座与知识分享

Industry seminars and expert sessions promoting new technologies, standards and best practices.

- Technical Sessions & Expert Talks
- New Technologies & Innovation
- Industry Standards & Regulations
- Practical Industry Solutions



03 — COMPETENCY & PROFESSIONAL DEVELOPMENT
能力认证与专业发展

Supporting competency assessment, continuous development and professional recognition.

- Competency Assessment
- CIDB Green Card Preparation
- Upskilling & Reskilling
- Professional Recognition



OUR IMPACT | 我们的影响

SKILLED WORKFORCE
提升专业技能

Developing skilled, competent and safety-conscious plumbing professionals.

TECHNICAL KNOWLEDGE
强化技术知识

Strengthening technical knowledge and keeping up with industry advancements.

COMPETENCY & CERTIFICATION
能力与认证

Enhancing competency development and supporting professional certification.

INDUSTRY STANDARDS
提升行业标准

Supporting higher standards and professionalism across the plumbing industry.

FROM TRAINING TO PROFESSIONAL EXCELLENCE 从技能培训迈向专业卓越

Through continuous training, knowledge sharing and competency development, SPA strengthens professional capability and supports higher industry standards.

OUR TRACK RECORD

INTERNATIONAL ENGAGEMENT & OVERSEAS VISITS

Connecting Globally • Building Relationships • Expanding Our Network

国际交流与海外考察

连接国际 · 建立伙伴关系 · 拓展行业网络

SPA actively engages with international plumbing associations, industry organisations and professional institutions through overseas visits, technical exchanges and strategic collaboration. These engagements broaden our industry perspectives, strengthen professional networks and create new opportunities for Sabah.

SPA 通过海外考察、技术交流及战略合作，与国际水喉组织、行业机构及专业单位建立联系，拓展行业视野与专业网络，并为沙巴创造更多合作与发展机会。







1 ASSOCIATION EXCHANGE 国际交流

Strengthening ties with overseas professional organisations.



2 TECHNICAL & FACTORY VISITS 技术与工厂考察

Learning technologies and best practices from leading industry players.



3 INTERNATIONAL EXHIBITIONS & FORUMS 国际展会与论坛

Gaining exposure to global industry trends and innovation.



4 STRATEGIC NETWORKING 策略合作与伙伴关系

Building long-term partnerships for knowledge exchange and development.



OUR IMPACT | 我们的影响

GLOBAL EXPOSURE 国际视野

Broader perspective on global industry developments.

KNOWLEDGE TRANSFER 知识引进

Bringing back valuable knowledge and experience.

INTERNATIONAL NETWORK 国际网络

A stronger global network of industry partners.

OPPORTUNITIES FOR SABAH 为沙巴创造发展机会

Creating new opportunities for the local industry.

FROM GLOBAL CONNECTIONS TO LOCAL IMPACT

从国际连接，转化为本地影响

Through international engagement, SPA expands its professional network, brings knowledge and opportunities back to Sabah, and builds a stronger foundation for future collaboration.

通过国际交流，SPA 拓展专业网络，将知识、经验与合作机会带回沙巴，为未来更广泛的合作奠定基础。

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Persatuan Tukang Paip Sabah

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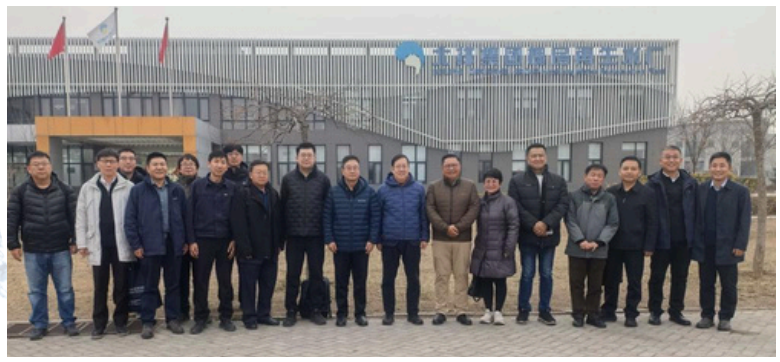
OUR TRACK RECORD
TECHNICAL VISITS & KNOWLEDGE TRANSFER

Learning Beyond Borders • Bringing Knowledge Home • Creating Value for Sabah

技术考察与知识引进

走出去学习 · 把知识带回来 · 为沙巴创造价值





SPA undertakes technical visits to manufacturers, production facilities and professional institutions to explore new technologies, industry practices and practical solutions relevant to Sabah. These visits support knowledge transfer and help turn international experience into local opportunities.

SPA 通过考察制造商、生产设施及专业机构，了解新技术、行业实践及适合沙巴的解决方案，推动知识引进，并将国际经验转化为本地发展机会。

1 TECHNOLOGY EXPOSURE 技术视野

Explore technologies and solutions with potential relevance to Sabah.



2 KNOWLEDGE TRANSFER 知识引进

Explore technologies and solutions with potential relevance to Sabah.



3 NDUSTRY CONNECTIONS 行业连接

Exchange knowledge with manufacturers, professionals and industry organisations.



4 LOCAL APPLICATION 本地应用

Identify practical ideas and opportunities that may be adapted for Sabah.



OUR IMPACT | 我们的影响

- **PRACTICAL INSIGHTS** 实践经验
- **NEW TECHNOLOGIES** 新技术视野
- **STRONGER INDUSTRY LINKS** 强化行业联系
- **LOCAL OPPORTUNITIES** 本地发展机会

FROM LEARNING TO APPLICATION
从学习考察到本地实践

Technical visits enable SPA to learn, connect and identify technologies and industry practices that may create practical opportunities for Sabah's plumbing and water sector.

通过技术考察，SPA 学习新知识、连接行业资源，并发掘适合沙巴水务与水喉行业的技术及实践机会。

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OUR DIRECTION

VISION• MISSION •CORE VALUES
我们的愿景、使命与核心价值



VISION

Building a Professional, Sustainable & Resilient Water & Plumbing Industry for Sabah

MISSION



① Strengthen Professional Competency & IndustryStandards
提升专业能力与行业标准

② Foster Government–Industry–Academia Collaboration
促进政府与行业学术机构合作

③ Advance Sustainable Water Management
推动可持续水务管理

④ Develop Education & Future Talent
发展教育与未来人才

⑤ Build International Partnerships
建立国际合作伙伴关系

CORE VALUES



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ABOUT

SABAH PLMBER ASSOCIATION

Who We Are

SABAH PLUMBER ASSOCIATION

Sabah Plumber Association (SPA) is a professional association representing plumbers and plumbing industry professionals in Sabah. We are committed to strengthening professional competency, advancing industry standards and supporting a sustainable and resilient water and plumbing industry.

Our Internationl Affiliation

WORLD PLUMBING COUNCIL

WORLD PLUMBING COUNCIL MEMBER ASSOCIATION

SPA is a member association of the World Plumbing Council (WPC), strengthening Sabah's connection to the global plumbing community and international knowledge exchange.

ESTABLISHED 2023

Officially registered on 18 August 2023 in Sabah, Malaysia.

280+ MEMBERS

Growing community of licensed plumbers, contractors, and industry partners across Sabah.

STATEWIDE NETWORK Across Sabah

Representing members across 13 districts throughout Sabah.

COMMITMENT

Promoting professionalism, safety, innovation, and sustainable practices in the water and plumbing industry.

KEY MILESTONES (2023–2026)

2023 — ESTABLISHMENT

SPA was officially registered and launched with a vision to unite plumbing professionals in Sabah.

2024 — BUILDING FOUNDATION

Membership grew steadily & core committees were established to drive industry development.

2025 — CAPACITY BUILDING

Organised training programmes, technical workshops, & certifications for members.

2026 — STRATEGIC PARTNERSHIPS

Collaborated with government agencies, industry players, and educational institutions.

2027 & BEYOND — GROWING IMPACT

Strengthening our role as the leading voice for plumbers and water professionals in Sabah.

OUR ROLE IN SABAH

We serve as the voice of the plumbing industry in Sabah, working closely with stakeholders to ensure safe, efficient, and sustainable water systems for present and future generations.

PROMOTE STANDARDS

Advocate and uphold high standards of workmanship, safety, and ethics.

DEVELOP CAPABILITIES

Provide training, certification, & continuous learning opportunities.

UNITE PROFESSIONALS

Build a strong, connected, and respected community of plumbing professionals.

ENGAGE STAKEHOLDERS

Work with government, industry, and communities on water-related initiatives.

SUPPORT SUSTAINABILITY

Champion water conservation and sustainable plumbing solutions.

BUILD GLOBAL CONNECTIONS

Expand international collaboration and bring global best practices to Sabah.

"Every Pipe Connects Lives. Every Drop Shapes the Sabah's Future."

「每一条管道，连接人民生活；每一滴清水，塑造沙巴未来。」

CURRENT INDUSTRY LANDSCAPE

Key Challenges Shaping Sabah's Water & Plumbing Industry

当前行业环境

影响沙巴水务与水喉行业发展的主要挑战

WHY SPA 2030?
What is driving the need for a five-year strategic plan?

为什么需要 SPA 2030？
什么因素推动我们制定五年战略规划？

1. WATER INFRASTRUCTURE | 水务基础设施

Ageing infrastructure and growing demand continue to place pressure on Sabah's water systems.

基础设施老化及用水需求增长，持续对沙巴水务系统带来压力。

2. NON-REVENUE WATER (NRW) 无收益水

High NRW remains a major industry challenge, requiring coordinated action by government, water operators and industry stakeholders.

高 NRW 仍是行业重大挑战，需要政府、水务运营单位及行业各方共同应对。

3. SKILLED & COMPETENT WORKFORCE 专业与技能人才

The industry requires stronger competency development, continuous training and recognised professional standards.

行业需要加强专业能力建设、持续培训及专业标准。

4. STANDARDS & QUALITY 标准与质量

Consistent installation practices, workmanship standards and professional competency are essential for reliable water systems.

一致的安装规范、施工标准及专业能力，是建立可靠水务系统的重要基础。

5. SUSTAINABILITY & CLIMATE RESILIENCE 可持续发展与气候韧性

Water conservation, wastewater management and climate-resilient practices are becoming increasingly important.

节约用水、污水管理及具气候韧性的实践日益重要。

SABAH PLUMBER ASSOCIATION

THE STRATEGIC RESPONSE

SPA 2030 defines how the Association can contribute to addressing these industry challenges through five strategic pillars — professional development, government & industry collaboration, sustainable water management, education & future talent, and international partnership.

SPA 2030 通过五大战略支柱，明确协会如何在自身职能范围内，为应对这些行业挑战作出贡献——专业发展、政府与行业合作、可持续水务管理、教育与未来人才，以及国际合作。

SPA 2030

A STRONGER FUTURE FOR SABAH

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THE SPA 2030 STRATEGIC FRAMEWORK

Built Around Five Strategic Pillars

战略框架 | 五大战略支柱

Each pillar is supported by clear Strategic Objectives (SO) and Strategic Initiatives (SI), providing a structured pathway from priorities to action and measurable impact by 2030.

SPA 2030 战略框架以五大战略支柱为核心。每项战略支柱均设有明确的战略目标（SO）及战略举措（SI），将发展重点转化为具体行动，并推动至2030年的可衡量成果。

01 — PROFESSIONAL DEVELOPMENT
Strengthen professional competency, technical knowledge and industry standards.

专业发展
提升专业能力、技术知识与行业标准。。

02 — GOVERNMENT & INDUSTRY COLLABORATION
Strengthen collaboration among government agencies, industry, academia and professional bodies.

政府与产业合作
加强政府机构、行业、学术界及专业组织之间的合作。

03 — SUSTAINABLE WATER MANAGEMENT
Support water efficiency, sustainable water management and industry initiatives.

可持续水务管理
推动节水、可持续水务管理及相关行业倡议。

04 — EDUCATION & FUTURE TALENT
Develop future talent through education, skills development and industry exposure.

教育与未来人才
拓展区域及国际合作，促进知识、技术与最佳实践交流。。

SPA 2030

Building a Professional, sustainable & Resilient water & plumbing Industry for Sabah..

建设专业，可持续和具有韧性的沙巴水务行业

05 — INTERNATIONAL PARTNERSHIP
Connect Sabah with regional and international organisations for knowledge, technology and best-practice exchange.

国际合作
连接区域及国际组织，促进知识、技术与最佳实践交流。



FROM FOUNDATION TO TRANSFORMATION

从基础建设迈向行业转型

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PROFESSIONAL DEVELOPMENT
专业发展

Building Competency. Raising Standards. Strengthening the Profession.
提升专业能力 · 提高行业标准 · 强化专业地位

WHY IT MATTERS | 为什么重要

A resilient water industry depends on a competent, skilled and continuously developing workforce. SPA 2030 aims to strengthen professional competency through structured training, certification, technical knowledge and industry-recognised standards.

具韧性的水务行业必须建立在专业、熟练并持续提升的人才基础上。SPA 2030 将通过系统化培训、专业认证、技术知识提升及行业认可标准，全面加强水务与水喉行业的专业能力。

STRATEGIC OBJECTIVES & INITIATIVES | 战略目标与战略举措

SO1 — STRENGTHEN PROFESSIONAL COMPETENCY
战略目标一 | 提升专业能力

SI 1.1 — Competency & Skills Training
Develop continuous technical and practical training programmes.

SI 1.2 — Certification & Recognition
Support recognised competency pathways and relevant professional certification.

SI 1.3 — Continuing Professional Development
Expand seminars, workshops, technical sessions and knowledge-sharing programmes.

SO2 — RAISE INDUSTRY STANDARDS
战略目标二 | 提升行业标准

SI 2.1 — Industry Standards & Best Practices
Promote good installation practices, workmanship quality and recognised industry standards.

SI 2.2 — Technical Knowledge Development
Strengthen industry knowledge through technical learning and practical exposure.

SI 2.3 — Quality & Professional Practice
Promote professionalism, quality workmanship and responsible industry practices.

SO3 — BUILD A CONTINUOUS LEARNING ECOSYSTEM
战略目标三 | 建立持续学习体系

SI 3.1 — Industry–Academia Training Collaboration
Work with training institutions, universities and professional bodies.

SI 3.2 — Industry Knowledge Exchange
Connect practitioners with industry experts, manufacturers and technology providers.

SI 3.3 — Future Skills Development
Prepare plumbing professionals for emerging technologies and evolving industry needs.

TARGET 2030 | 2030目标

More Skilled Professionals
更多专业技术人才
A larger pool of competent and skilled plumbing professionals.
拥有更多具能力与技能的水喉专业人才。

Recognised Competency
更完善的专业能力认可
Wider access to recognised competency and certification pathways.
行业内获得广泛认可的认证与能力路径。

Higher Workmanship Standards
更高施工与安装标准
Improved installation quality and consistent workmanship standards.
提升安装质量与一致性的工艺标准。

Continuous Learning Culture
建立持续学习文化
A strong culture of lifelong learning and knowledge sharing.
建立持续学习与知识共享的文化。

SPA 2030 | From Foundation to Transformation

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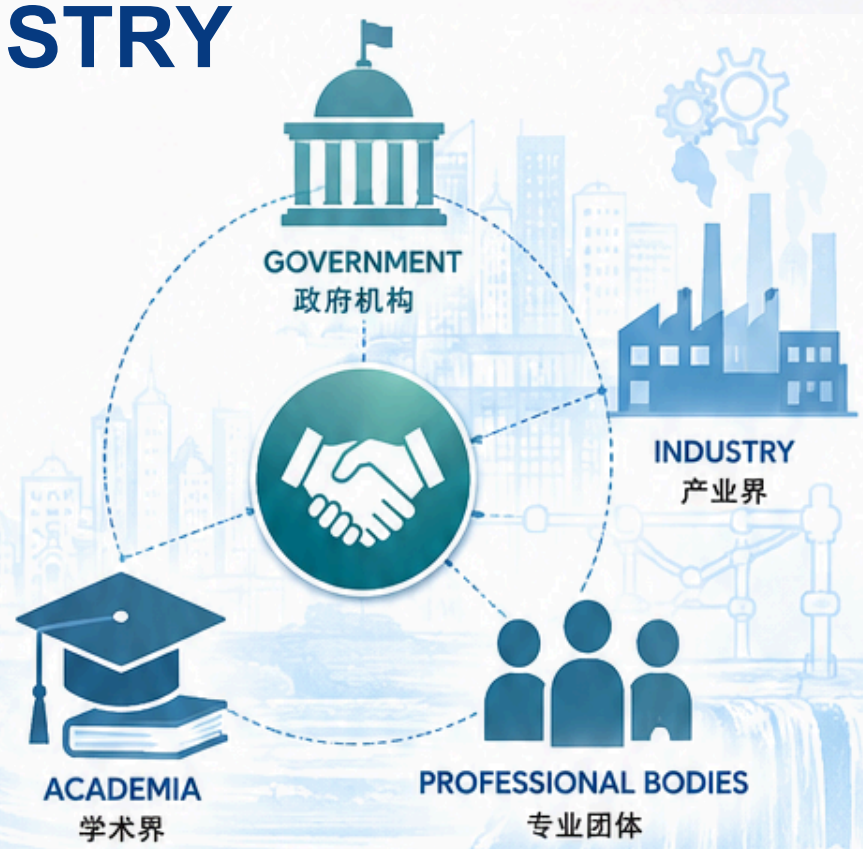
SABAH PLUMBER ASSOCIATION
Persatuan Tukang Paip Sabah

STRATEGIC PILLAR 02

GOVERNMENT & INDUSTRY COLLABORATION
政府与产业合作

.Building Stronger Partnerships · Supporting Standards · Advancing the Industry

加强战略伙伴关系 · 支持行业标准 · 推动行业发展



WHY IT MATTERS | 为什么重要

Strong collaboration between government agencies, industry, academia and professional bodies is essential to building a more coordinated, efficient and resilient water industry in Sabah.

SPA will serve as an industry bridge — bringing stakeholders together, strengthening communication, supporting policy and standards development, and turning industry challenges into practical solutions.

政府机构、产业、学术界与专业团体之间的紧密合作，是推动沙巴水务行业协调发展、提升效率与增强韧性的关键。
SPA 将发挥行业桥梁作用，凝聚各方力量，加强沟通与协调，支持政策与行业标准发展，并共同把行业面对的问题转化为实际解决方案。

2026–2030 STRATEGIC ACTIONS | 五年重点行动

SO1 — STRENGTHEN GOVERNMENT–INDUSTRY ENGAGEMENT
战略目标一 | 加强政府与行业协作

SI 1.1 — Government Engagement
Strengthen regular engagement with relevant government agencies and authorities.

SI 1.2 — Industry Dialogue
Organise forums, roundtables and technical dialogues to address industry challenges.

SI 1.3 — Stakeholder Coordination
Facilitate stronger communication and coordination among government, industry, academia and professional bodies.

SO2 — SUPPORT STANDARDS & POLICY DEVELOPMENT
战略目标二 | 支持标准与政策发展

SI 2.1 — Standards & Policy Support
Contribute industry perspectives and technical input towards better standards and policies.

SI 2.2 — Industry Best Practices
Promote good workmanship, safety, compliance and recognised industry best practices.

SI 2.3 — Technical Advisory & Knowledge Sharing
Provide industry knowledge and professional input to support informed decision-making.

SO3 — BUILD STRATEGIC INDUSTRY PARTNERSHIPS
战略目标三 | 建立战略行业伙伴关系

SI 3.1 — Academia & Research Collaboration
Strengthen cooperation with universities and research institutions on water-related innovation and studies.

SI 3.2 — Industry Network Development
Build long-term partnerships with manufacturers, associations, utilities and professional organisations.

SI 3.3 — Collaborative Industry Initiatives
Develop joint programmes, training, technical activities and industry development initiatives.

TARGET 2030 | 2030目标

SPA 2030 | From Foundation to Transformation



Stronger Government–Industry Linkage
更紧密的政企联系



Better Standards & Industry Practices
更完善的行业标准与实践



Stronger Standards & Policies
更健全的标准与政策



Collaborative Industry Ecosystem
更具协作力的行业生态

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SUSTAINABLE WATER MANAGEMENT
可持续水资源管理

Improving Water Efficiency. Reducing NRW. Building Climate Resilience.
提升用水效率 · 降低无收益水 · 增强气候韧性



WHY IT MATTERS | 为什么重要

Sabah faces increasing pressure on its water resources due to ageing infrastructure, high non-revenue water (NRW), growing demand, climate change and the need for more sustainable wastewater management.

SPA 2030 promotes practical industry solutions that improve water efficiency, reduce water losses, strengthen system resilience and encourage responsible water management across Sabah.

沙巴水资源正面对老化基础设施、高无收益水（NRW）、用水需求增长、气候变化以及污水管理等多方面挑战。

SPA 2030 将推动实际可行的行业解决方案，提高用水效率、减少水资源流失、增强系统韧性，并促进沙巴更负责任及可持续的水资源管理。

STRATEGIC OBJECTIVES & INITIATIVES | 战略目标与战略举措

SO1 — IMPROVE WATER EFFICIENCY & REDUCE NRW
战略目标1
提升用水效率与降低无收益水

SI 1.1 — NRW Reduction & Awareness
Promote awareness, knowledge sharing and industry participation in reducing non-revenue water.

SI 1.2 — Water Efficiency & Conservation
Promote efficient water use, conservation practices and water-saving technologies.

SI 1.3 — Leak Detection & Loss Management
Promote knowledge sharing and industry adoption of leak detection, monitoring and water-loss management practices.

SO2 — ADVANCE SMART & SUSTAINABLE WATER MANAGEMENT
战略目标2
推进智慧与可持续水务管理

SI 2.1 — Smart Water Technology
Promote smart metering, monitoring, digital water management and relevant emerging technologies.

SI 2.2 — Wastewater & Drainage Management
Promote good practices and knowledge sharing in wastewater, drainage and sustainable water management.

SI 2.3 — Technology & Knowledge Sharing
Facilitate industry knowledge exchange and exposure to relevant water technologies and solutions.

SO3 — STRENGTHEN WATER & CLIMATE RESILIENCE
战略目标3
加强水资源与气候韧性

SI 3.1 — Climate Resilience
Promote awareness and industry understanding of climate-resilient water infrastructure and practices.

SI 3.2 — Sustainable Water Practices
Encourage responsible and sustainable approaches to water resource management..

SI 3.3 — Resilient Water Systems
Support knowledge sharing and industry collaboration towards more reliable and resilient water systems.

TARGET 2030 | 2030目标

SPA 2030 | From Foundation to Transformation

- **Greater Industry Contribution to NRW Reduction**
  提升行业对降低 NRW 的贡献
- **Greater Water Efficiency**
  提升用水效率
- **Greater Adoption of Smart Water Practices**
  扩大智慧水务实践应用
- **Stronger Climate Resilience**
  更强的气候韧性

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EDUCATION & FUTURE TALENT
教育与未来人才

Developing Skills. Inspiring the Next Generation. Building the Future Workforce.
培养专业技能 · 启发新一代 · 建设未来人才队伍



WHY IT MATTERS | 为什么重要

The future of Sabah's water and plumbing industry depends on a continuous pipeline of skilled, knowledgeable and professionally trained talent.

SPA 2030 aims to connect industry with education by creating more opportunities for students, young people and future professionals to gain technical knowledge, practical exposure and a clearer pathway into the plumbing and water industry.

沙巴水务与水管行业的未来，需要持续培养具备专业技能、行业知识及实践能力的新一代人才。

SPA 2030 将加强行业与教育之间的连接，为学生、青年及未来专业人才提供技术学习、实际接触行业及职业发展的机会，为沙巴建立长期的人才基础。

2026–2030 STRATEGIC ACTIONS | 五年重点行动

SO1 — BUILD EDUCATION & INDUSTRY LINKAGES
战略目标一 | 加强教育与行业衔接

SI 1.1 — School & Community Awareness
Promote awareness of water, plumbing and sustainability among students and communities.

SI 1.2 — University & TVET Collaboration
Strengthen collaboration with universities, polytechnics and TVET institutions.

SI 1.3 — Education–Industry Engagement
Create stronger connections between education institutions and the plumbing and water industry.

SO2 — DEVELOP SKILLS & INDUSTRY EXPOSURE
战略目标二 | 培养技能与行业实践能力

SI 2.1 — Student Industry Exposure
Create opportunities for site visits, technical exposure, competitions and industry engagement.

SI 2.2 — Training & Skills Development
Support technical training, competency development and continuous learning opportunities.

SI 2.3 — Practical & Technical Learning
Promote practical learning opportunities through industry professionals and technical partners.

SO3 — BUILD THE FUTURE TALENT PIPELINE
战略目标三 | 建立未来人才梯队

SI 3.1 — Talent Pathways
Build clearer pathways connecting education, skills development and employment opportunities.

SI 3.2 — Career Awareness & Mentorship
Promote plumbing and water-sector career pathways through industry engagement, guidance and mentorship.

SI 3.3 — Future Leadership Development
Develop young talent with the skills, exposure and leadership potential needed for the future industry.

TARGET 2030 | 2030目标

More Skilled Young Talent
更多具备技能的青年人才

Stronger Education–Industry Linkage
更紧密的教育与行业联系

Greater Industry Exposure
更多行业实践机会

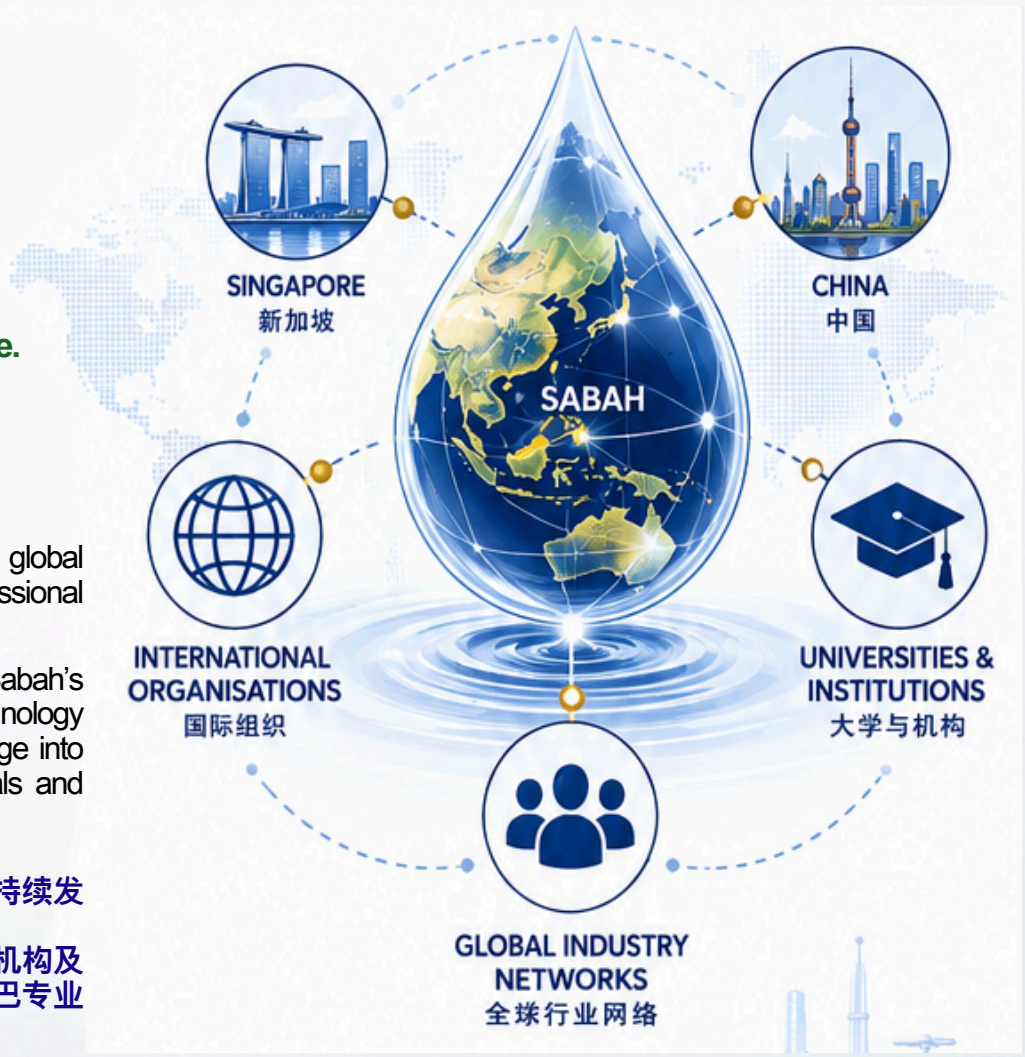
Sustainable Talent Pipeline
建立可持续人才梯队

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INTERNATIONAL PARTNERSHIP
国际合作

Connecting Sabah to the World. Sharing Knowledge. Creating Opportunities.
连接沙巴与世界 · 促进知识交流 · 创造国际合作机会



WHY IT MATTERS | 为什么重要

The water and plumbing industry is increasingly shaped by global technology, standards, sustainability practices and professional knowledge.

Through international partnerships, SPA can connect Sabah's industry with overseas professional bodies, universities, technology providers and industry networks — bringing global knowledge into Sabah while creating opportunities for Sabah's professionals and businesses to connect internationally.

全球水务与水管行业正不断受到新技术、国际标准、可持续发展理念及专业知识的推动。
通过国际合作，SPA 将连接海外专业组织、大学、技术机构及行业网络，把国际经验与先进技术带入沙巴，同时为沙巴专业人士及企业创造走向国际、建立合作与交流的机会。

2026–2030 STRATEGIC ACTIONS | 五年重点行动

SO1 — STRENGTHEN INTERNATIONAL NETWORKS
战略目标一 | 加强国际合作网络

SI 1.1 — International Professional Networks
Build relationships with international plumbing, water and professional organisations.

SI 1.2 — Regional Partnerships
Strengthen cooperation with regional associations and industry partners across Asia.

SI 1.3 — Institutional Collaboration
Develop partnerships with universities, research institutions and relevant professional bodies.

SO2 — ADVANCE KNOWLEDGE & TECHNOLOGY EXCHANGE
战略目标二 | 促进知识与技术交流

SI 2.1 — Knowledge & Technology Exchange
Facilitate international technical exchange, seminars and knowledge-sharing programmes.

SI 2.2 — Overseas Industry Exposure
Provide opportunities for international study visits, exhibitions, technical missions and industry exchange.

SI 2.3 — Global Best Practices
Identify international standards, technologies and best practices relevant to Sabah.

SO3 — CEXPAND INTERNATIONAL COLLABORATION & OPPORTUNITIES
战略目标三 | 为创造国际合作机会

SI 3.1 — International Education Collaboration
Develop international education, training and academic exchange opportunities.

SI 3.2 — Global Industry Connections
Connect Sabah professionals and industry stakeholders with relevant international networks and partners.

SI 3.3 — International Industry Opportunities
Facilitate exposure to international collaboration, technology and industry opportunities relevant to Sabah.

TARGET 2030 目标

Stronger Global Network
更强的国际网络

Greater Knowledge & Technology Exchange
更广泛的知识与技术交流

Greater International Industry Exposure
更多国际行业接触机会

Stronger International Recognition for Sabah
提升沙巴的国际认可度

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SPA 2030 STRATEGIC PRIORITIES

五年战略重点| Five-Year Strategic Priorities

Building a Professional, Sustainable and Connected Water Industry for Sabah's Future

Professional Development

→ Skilled & Certified Workforce

✓ Higher competency standards

✓ Professional talent growth

✓ Industry-ready workforce



Government & Industry Collaboration

→ Stronger Strategic Partnerships

✓ Deeper industry–government engagement

✓ More collaborative programmes

✓ Sustainable industry growth



Sustainable Water Management

→ Water Efficiency & NRW Improvement

✓ Greater water conservation

✓ Lower water losses

✓ More sustainable water resources



Education & Future Talent

→ Future-Ready Talent Pipeline

✓ More youth engagement

✓ Stronger university & TVET partnerships

✓ Sustainable industry talent



International Partnership

→ Stronger Regional & Global Network

✓ More international collaboration

✓ Knowledge exchange

✓ Global best practices





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SPA 2030

KEY PERFORMANCE INDICATIORS (KPIs)
关键绩效指标丨衡量 SPA 2030 的成果

Measuring Our Progress.Achieving Our Vision
衡量我们的进展 * 实现我们的愿景

1 Professional Development 专业发展

- ≥50% Increase in Trained Professionals

TARGET 2030 — +50%
Increase in trained professionals

2 Government & Industry Collaboration 政府与产业合作

- ≥30 Strategic Partnerships

TARGET 2030 — +30
Strategic partnerships established



3 Sustainable Water Management 可持续水资源管理

- ≥10 Water Sustainability / NRW Initiatives Supported

TARGET 2030 — ≥10 initiatives, technical programmes or collaborative projects supported

4 Education & Future Talent 教育与未来人才

- ≥1,000 Students & Youth Engaged

TARGET 2030 — +1000
Students & youth engaged

5 International Partnership 国际合作

- ≥20 International Partnerships & Engagements

TARGET 2030 — ≥20 International Partnerships & Engagements

2030 SPA IMPACT | 2030 成果

STRONGER PROFESSION
更专业的水务行业

SUSTAINABLE WATER FUTURE
更可持续的水务未来

GLOBAL CONNECTIONS
更广泛的国际合作

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IMPLEMENTATION ROADMAP 2026–2030

五年实施路线图

From Foundation to Transformation | 从基础建设迈向行业转型

2026
LAY THE FOUNDATIO
基础建设

- Establish SPA 2030 framework
- Expand professional training
- Strengthen government & industry engagement

2027
STRENGTHEN PARTNERSHIPS
深化合作

- Government–Industry–Academia collaboration
- Youth & university engagement
- Expand strategic partnerships

2028
BUILD CAPABILITY
能力提升

- Competency & certification
- Industry standards & best practices
- Sustainable water initiatives

2029
DRIVE IMPACT
扩大影响

- Broader industry adoption
- Support Sustainable Water Initiatives
- Expand regional collaboration

2030
ACHIEVE TRANSFORMATION
实现转型

- Stronger profession
- Sustainable water future
- International recognition

BUILD → CONNECT → STRENGTHEN → SCALE → TRANSFORM

建 设 → 连 接 → 强 化 → 扩 展 → 转 型

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SPA 2030—OUR COMMITMENT TO ACTION

从蓝图到行动

Turning Strategy into Action | 把战略转化为行动

What Happens Next ?

我们接下来做什么？

Our Blueprint sets the direction. Now, we take action — together.
Together, we will build a more professional, sustainable and resilient water future for Sabah.

蓝图指引方向，行动成就未来。
让我们携手共建更专业、更可持续、更具韧性的沙巴水务未来。

1

01 — PROFESSIONAL TRAINING

Launch continuous training and competency programmes to uplift skills and standards.

持续开展专业培训与能力提升课程，提升行业技能与标准。

2

02 — GOVERNMENT & INDUSTRY ENGAGEMENT

Strengthen dialogue and collaborative initiatives with government agencies and industry partners.

加强与政府机构及产业伙伴的沟通与合作，推动共同倡议与项目。

3

03 — UNIVERSITY & TVET COLLABORATION

Develop education, research and talent development programmes with universities and TVET institutions.

与大学及技职教育机构合作，发展教育、研究与人才培养计划。

4

04 — SUSTAINABLE WATER INITIATIVES

Support practical initiatives on water efficiency, NRW reduction, technology adoption and innovation.

推动节水、降低无收益水、技术应用与创新的可持续水务项目。

5

05 — REGIONAL & INTERNATIONAL ENGAGEMENT

Expand knowledge exchange, best practices and strategic partnerships regionally and internationally.

拓展区域及国际交流，分享最佳实践，建立策略性合作伙伴关系。

OUR COMMITMENT
我们的承诺

We commit to taking action with focus, accountability and collaboration.
我们承诺以专注、负责和合作的态度落实每一项行动。

From Vision to Action,
From Action to Impact.
从愿景到行动，
从行动到影响。



"Every Pipe Connects Lives. Every Drop Shapes the Sabah's Future."

「每一条管道，连接人民生活；每一滴清水，塑造沙巴未来。」

ACKNOWLEDGEMENT & CALL FOR PARTNERSHIP

致谢与合作邀请

Our journey towards SPA 2030 is made possible through the support, trust and collaboration of many partners. We extend our sincere gratitude to all who walk with us.

迈向 SPA 2030 的旅程，离不开各界伙伴的支持、信任与合作。在此，我们向所有与我们同行的伙伴致以最诚挚的感谢。

GOVERNMENT AGENCIES 政府机构

- Policy Support 政策支持
- Strategic Guidance 策略指导
- Capacity Building 能力建设

INDUSTRY PARTNERS 产业伙伴

- Technology 技术支持
- Collaboration 合作项目
- Innovation 创新发展

UNIVERSITIES & TRAINING INSTITUTIONS 大学与培训机构

- Education 教育合作
- Research 研究合作
- Talent Development 人才培养

OUR MEMBERS & COMMUNITY 会员与社区

- Commitment 坚定支持
- Participation 积极参与
- Growth Together 共同成长

REGIONAL & INTERNATIONAL PARTNERS 区域与国际伙伴

- Knowledge Exchange 知识交流
- Best Practices 最佳实践
- Strategic Alliances 策略联盟

JOIN US IN BUILDING SABAH'S WATER FUTURE

携手同行，共建沙巴水务未来

SPA welcomes partners who share our vision to join us in building a more professional, sustainable and resilient water future for Sabah.



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Governance & Implementation Structure

治理与执行架构

Turning Strategy into Action | 从战略走向行动

01 SPA LEADERSHIP
SPA 领导层

- Strategic Direction
- Governance
- Monitoring

02 SPA MEMBERS & INDUSTRY
会员与行业

- Professional Practice
- Participation
- Industry Implementation

03 GOVERNMENT & AGENCIES
政府与相关机构

- Policy Alignment
- Standards & Regulatory Guidance
- Regulatory Collaboration



04 ACADEMIA & TRAINING PARTNERS
学术与培训伙伴

- Research
- Training
- Competency
- Future Talent

05 STRATEGIC & INTERNATIONAL PARTNERS
战略及国际伙伴

- Knowledge Exchange
- Technology
- Regional & International Cooperation

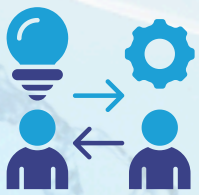
IMPLEMENTATION CYCLE | 执行循环



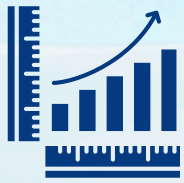
PLAN
规划



COLLABORATE
协作



IMPLEMENT
执行



MEASURE
衡量



IMPROVE
改进

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PARTNERSHIP ECOSYSTEM

SPA 2030 Strategic Collaboration Network

战略合作生态 | 共建沙巴水务未来

01 GOVERNMENT & REGULATORS Agencies
政府与监管机构

- Policy Alignment
- Regulation Guidance
- Standards Alignment
- Public infrastructure Coordination

02 WATER & WASTEWATER SECTOR
供水与污水领域

- Water supply
- NRW Collaboration
- Sewerage
- Asset management



03 INDUSTRY & PROFESSIONALS
产业与专业界

- Contractors
- Plumbers
- Suppliers
- Consultants

04 ACADEMIA & TRAINING
学术与培训

- Research
- TVET
- Competency
- Innovation

05 COMMUNITY & FUTURE TALENT
社区与未来人才

- Youth
- Students
- Awareness
- Career development

06 REGIONAL & INTERNATIONAL NETWORK
区域及国际网络

- Knowledge
- Technology
- Best practices
- Collaboration

ONE ECOSYSTEM • SHARED RESPONSIBILITY • SUSTAINABLE FUTURE

一 个 生 态 | 共 同 责 任 | 可 持 续 未 来

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MONITORING, REVIEW & CONTINUOUS IMPROVEMENT

监督、检讨与持续改进

Keeping SPA 2030 on Track
确保 SPA 2030 持续朝目标前进

01 — MONITOR｜监督
Track KPIs, programmes and implementation progress.



02 — MEASURE｜衡量
Measure performance and outcomes against SPA 2030 targets.

03 — REVIEW｜检讨
Measure performance and outcomes against SPA 2030 targets.

04 — REPORT｜汇报
Communicate progress, achievements and areas requiring attention.

05 — IMPROVE｜改进
Identify gaps, adjust strategies and strengthen implementation.

MONITORING & CONTINUOUS IMPROVEMENT ｜监督与持续改进

ANNUAL REVIEW
年度检讨
Progress & KPI Review

MID-TERM REVIEW — 2028
战略检讨与必要调整
Strategy Adjustment

CONTINUOUS IMPROVEMENT— 2030
成果、影响与转型评估
Impact & Transformation Assessment

MEASURE PROGRESS 衡量进展 ● LEARN 总结经验 ● IMPROVE 持续改进 ● MOVE FORWARD 向前迈进

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SPA 2030 — OUR COMMITMENT TO SABAH

我们对沙巴的承诺

From Strategy to Lasting Impact

从战略走向长远影响

01 — A STRONGER PROFESSION
更强大的专业行业

Raise competency, professionalism and industry standards.
提升专业能力、专业水平与行业标准。

04 — STRONGER COLLABORATION
更紧密的协作

Connect government, industry, academia and communities.
连接政府、产业、学术界与社区力量。



02 — A MORE RESILIENT WATER SECTOR
更具韧性的水务行业

Support reliable, sustainable and resilient water management.
推动可靠、可持续及具韧性的水务管理。

05 — SABAH CONNECTED TO THE WORLD
让沙巴连接世界

Build regional and international partnerships for knowledge, technology & best practices.
通过区域及国际合作，引进知识、技术与最佳实践。

03 — A SKILLED FUTURE GENERATION
具专业技能的新一代

Develop youth, students and future plumbing professionals.
培育青年、学生及新一代水务专业人才。

SPA 2030 IS MORE THAN A PLAN.
IT IS OUR COMMITMENT TO SABAH.

SPA 2030 不只是一份规划，
更是我们对沙巴的承诺。

TOGETHER TOWARDS SPA 2030
携手迈向 SPA 2030

Turning Our Shared Vision into Collective Action
凝聚共同愿景 · 转化为共同的行动

01 — GOVERNMENT & AGENCIES
政府与相关机构

Enable · Support · Collaborate
Support an enabling environment through policy, standards and collaboration.
通过政策、标准与协作，为行业发展创造有利环境。



02 — INDUSTRY & PROFESSIONALS
产业与专业界

Build • Improve • Deliver
Raise professionalism, workmanship, technology adoption and industry standards.
提升专业水平、施工质量、技术应用与行业标准。

03 — ACADEMIA & TRAINING PARTNERS
学术与培训伙伴

Educate • Research • Innovate
Develop future talent, professional competency, research and innovation.
培育未来人才，强化专业能力、研究与创新。

04 — MEMBERS & COMMUNITY
会员与社区

Participate • Connect • Grow
Build a stronger professional community through participation, knowledge sharing and public awareness.
通过参与、知识共享与公众教育，共建更强大的专业社群。

05 — REGIONAL & INTERNATIONAL PARTNERS
区域与国际伙伴

Connect • Exchange • Advance
Bring global knowledge, technology & best practices into Sabah.
连接国际资源，引进知识、技术与最佳实践。

THE FUTURE OF SABAH'S WATER INDUSTRY IS A SHARED RESPONSIBILITY.

沙巴水务行业的未来，是我们共同的责任。

CONNECT 连接 → COLLABORATE 协作 → CONTRIBUTE 贡献 → TRANSFORM 转型

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SPA 2030

FIVE-YEAR STRATEGIC BLUEPRINT

2026 - 2030

BUILDING SABAH'S WATER FUTURE TOGETHER

携手共建沙巴水务未来



Together, we build a more professional, sustainable and resilient water future for Sabah.

携手同行，共建更专业、更可持续、更具韧性的沙巴水务未来。

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SABAH PLUMBER ASSOCIATION

Persatuan Tukang Paip Sabah

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