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Community Celebrates Completion of CPC2017 Projects in Indonesia

Ontario, Calif. (March 13, 2018) — The International Water, Sanitation and Hygiene Foundation (IWSH), in collaboration with PT. IAPMO Group Indonesia and the World Plumbing Council, today facilitated completion of the third international Community Plumbing Challenge (CPC2017), bringing improved drinking water and sanitation facilities to a public elementary school in Indonesia. CPC2017 was delivered across three separate projects between August 2017 and March 2018: Design Week, Construction Week Phase One and Construction Week Phase Two, also known as the Legacy Project.

To mark the Legacy Project's completion, the International Team was honored in a short ceremony that also sought to reinforce the critical messages of personal hygiene, saving water and using the new toilet and hand-washing facilities correctly and effectively. Attendees included representatives of Pemerintah Kabupaten Bekasi, the government of Bekasi Regency.

The projects completed at Sekolah Dasar Negeri (SDN) Cicau 02 in Cicau Village, Cikarang, Bekasi (West Java), included the installation of eight new toilets; dedicated tap points in each toilet for dip flushing the toilets and cleaning the floors and walls; new hand-washing troughs; improved ventilation and natural light; two 2,000-liter water tanks and stands (replacing one 1,000-liter water tank); new evapotranspiration absorption beds as the final treatment for effluent; new widened pathways and improved access; and new litter disposal, sorting and collection point.

The upgraded facilities were designed and built referencing the new Indonesian Plumbing Standard, SNI 8153:2015, while incorporating expertise from IWSH partner Healthabitat O/S that was gained from the Healthabitat Nepal Village Sanitation and School Toilet Construction program.

In addition to the construction work, participants engaged in outreach across both the host school community and surrounding residential areas. These activities included classroom lessons and games addressing health, hygiene, plumbing and design; an ongoing series of hand-washing demonstrations; plumbing maintenance training with school staff; and the introduction of plumbing codes and standards to local industry.

Public health awareness and health screening events were also held in collaboration with Cikarang District Health Clinic and Kantor Desa Cicau (Village Authority Head Office), and mural painting and school art competitions marked World Plumbing Day 2018, celebrated March 11. Plumbing and construction skills demonstrations were held for schoolchildren and staff members.

The International Team present for the Legacy Project, which took place March 6-13, was Jati Pambudi of PT. IAPMO Group Indonesia; Raihan Rifqi Alfarez, Tommy Setyawan, Rahmat Mifathul Rangkuti, and Zaenal Bakhril of SMK 01, Jakarta; Matthew Lee O'Brien, Jake Matthew McLaren, and Steven Jeffery of PICAC/Swinburne University of Technology, Victoria, Australia; and Kade Preston of PICAC, Victoria, Australia. Three local contractors accompanied this group for the majority of the Legacy Project assignment, with the aim of encouraging additional skills exchange and education across the team.

The CPC2017 Legacy Project organizing team comprised IWSH International Project Managers Grant Stewart (Australia) and Seán Kearney (Ireland), IAPMO India Project Manager Swathi Saralaya, and PT. IAPMO Group Indonesia Office Manager Roy August. The organizing team was joined by Adrian Welke of Troppo Architects/Healthabitat O/S (Australia).

"Throughout the course of this Legacy Project, the organizing team held meetings with a variety of local and international groups with the target of developing further Community Plumbing-inspired projects in the surrounding region of Indonesia, and it is hoped that these potential collaborations will emerge in the months ahead," Stewart said.

CPC 2017 was sponsored by:

- ASPE (American Society of Plumbing Engineers) — USA
- UA Plumbers Local 78 (United Association: Union of Plumbers, Fitters, Welders and Service Techs) — USA
- Pan-Pacific Mechanical — USA
- P.I.P.E. (Piping Industry Progress & Education) — USA
- PHCC Educational Foundation (Plumbing — Heating - Cooling Contractors Association) — USA
- PICAC (Plumbing Industry Climate Action Centre) — Australia
- UA Plumbers Local 68 (United Association: Union of Plumbers, Fitters, Welders and Service Techs) — USA
- UA Plumbers Local 400 (United Association: Union of Plumbers, Fitters, Welders and Service Techs) — USA
- USAID (United States Agency for International Development) — USA/Indonesia

In association with:

- American Welding Society — USA/Indonesia
- PT. Asian Welding Specialist — Indonesia
- Ayooklik — Indonesia
- BSN (Badan Standardisasi Nasional/National Standardization Agency) — Indonesia
- Cikarang District Health Clinic — Indonesia
- Healthabitat O/S — Australia
- IAPMO India (International Association of Plumbing and Mechanical Officials) — India
- Lincoln Electric — USA/Indonesia
- Milwaukee Tool — USA
- SAN-EI — Indonesia
- SST Singapore (School of Science and Technology) — Singapore
- SMK 01, Jakarta (Sekolah Menengah Kejuruan/Vocational High School) — Indonesia
- SMK 26, Jakarta (Sekolah Menengah Kejuruan/Vocational High School) — Indonesia
- Singapore Plumbing Society
- Smart Komodo Consulting — Indonesia
- Swinburne University of Technology — Australia
- PT. Surya TOTO — Indonesia
- Troppo Architects — Australia
- University of Western Australia
- PT. Wahana Duta Jaya Rucika — Indonesia