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**SCHWING
Stetter**
A member of the Schwing Group

CONCRETING TIMES

SOUTH EAST ASIA



Precast Concreting Solutions

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Dear Customer,

Greetings!!

I wish all our readers a very successful Financial Year 2016.

In this March issue of "Concreting Times – SEA", we have captured our new innovation on EASY system for effective use of Boom Pump. We have great pleasure in informing you the arrival of high capacity mobile batching plants for pre-cast applications in Indonesia.

Pt.Wijaya Karya Beton has installed Stetter M1.25 Batching Plant in a metro-rail project. Now, our truck mounted concrete boom pumps are now concreting at a non toll road in Indonesia. Please read the successful launch of Recycling Plant, working at RDC Concrete in Ho-Chi-Minh city where we have demonstrated successful performance of this machine.

SCHWING Stetter equipment are increasingly getting exported to Myanmar and Cambodia for different infrastructure projects. SCHWING Stetter will be exhibiting new technologies on products in Bauma 2016, Munich from 11th April to 17th April, 2016. Through this newsletter, we invite all our SEA readers to visit our stall no. FS 1005/2 (Open Area).

Happy reading!!!

With best regards,

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CT Notable projects

Precasting Indonesia

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PT. Wijaya Karya Beton was supplied the M1.25 Batching Plant for a Metro rail overbridge project to be made of precast. WKA Beton was established as one of the subsidiaries of the state-owned enterprise of PT Wijaya Karya (Persero) Tbk in 1997 for precast concrete products.

Total concrete poured and produced for the ongoing project till date is 100 m³. Concrete grade used in this project are K300 and K500.

First S36 X supplied to Indonesia



East Jakarta – Non toll Road, a 42km stretch connecting Kalimalang to Blok M project is expected to be completed by 2017. Main contractor is Waskita Beton, a Government enterprise. Schwing Stetter equipment used in this project is S36 X, truck mounted concrete boom pump which is mounted on a Mercedes Chassis.

Concreting Resort - Philippines

Banco Filipino Resort Village at Las Piñas is being constructed by Mhaerick corporation. Mhaerick Corporation is a professional supplier of ready mix concrete and aggregates in the Philippines. Schwing Stetter equipment used in this project is SP1200 concrete pump. Total concrete poured and produced in this project till date is 60 m³. Pressure used to pump the concrete is 1500 psi to 5000 psi with curing periods of 7, 14 and 28 days using aggregate grades of 3/4 and 3/8.

Bridging on River Mahakam, Samarinda

Mahakota Bridge II is of cable stay type with a main bridge length of 740 metres. The Bridge over Land is of 648.50 m. The total bridge length is of 1388.50 m with a width of 14 m. Vertical clearance of pilon is of 25 m. The span between 2 pilons is of 300 m. The total height of the pilon is 107 m. Schwing Stetter equipment in use are SP1800 and BP 3000. Total concrete poured and produced for pilon 7 & 8 till date are 4727.37 m³. This ongoing project was started on January 2015 and will be completed in April 2016.



Recycling plant at Vietnam



RA12 Recycling Plant (Sedimentation Tank Method) with fine screen separator was supplied to M/s. DTD investment, Ho Chi Minh city, Vietnam and hired by M/s. Saigon RDC (A Readymix Company). Washed slurry water from over 150 Truck Mixers were recycled in a day through our RA12 equipment apart from the washed concrete. Around an average of 20 metric tonnes of fine and coarse aggregates were recycled from this equipment and reused to produce concrete.



Photo taken at the BF Resort Village, Talon Dos, Las Piñas City

Concreting Apartments



SP 1200 Concrete pump in operation

The upcoming residential project, Banco Filipino Homes in Quezon city is being built by Shift enterprise. Shift enterprise is a trading and rental company owned by Manuel Dax Q in San Mateo Rizal. Schwing Stetter equipment used in this project is SP1200 concrete pump. Total concrete poured and produced in this project is 35 m³. The pressure at which the pump is operated is 3500 – 4000 psi.

Concreting Shopping malls

SM San Ildefonso shopping mall



SM San Ildefonso is a shopping mall owned and constructed by SM Prime Holdings. It is the part of SM Supermall built in the province of Nueva Ecija next to SM Cabanatuan. The project is under the construction care of Mr. Vic Del Rosario named under the company Mapan-Ikwa Trading, Inc. Schwing Stetter equipment used in this project is SP1200 concrete pump commissioned on December 5, 2015. Total number of concrete poured and produced is around 7000 m³.

SM City Lipa shopping mall



SM City Lipa is a shopping mall owned and constructed by SM Prime Holdings. It is the second SM Supermall in the province of Batangas. It was commissioned on October 30, 2015. AM8SHC2: 8 cubic metre transit mixers of 2 numbers are the Schwing Stetter equipment which are in use. Total number of concrete poured and produced is around 4000 m³.

Concreting resorts

Sugar Marina Resort with its many branches of Art and Nautical in Phuket, Thailand is undergoing expansion for construction of a 5 storey building. Schwing Stetter India equipment in use in this project are three numbers of AM6FHC2 concrete mixers. Total concrete volume poured and produced under this project is around 4000 m³.



SP 2800 at Cambodia



SP2800 Concrete Pump was supplied to M/s. CPAC, Phnom Penh, Cambodia (A Group of SCG, Thailand and Leading producer of Ready Mix Concrete in Cambodia). This Concrete Pump will work to pump the concrete for many high rise buildings over 50 storeys. Concrete grade of these projects are M25 and M30.

Myanmar High rise project



This upcoming high rise commercial building project by a ready mix concrete supplier, Hasty power construction uses our CP 18 batching plant with a concrete grade of M30 and M25. Total concrete poured and produced so far is around 40,000 m³.

PCIA Christmas Celebration



Schwing Stetter team together with clients at the celebration

Christmas party was held at the One Corporate Center in Pasig city, Manila on November 25, 2015, in celebration of the members of Philippines Concrete Industry Association in which Schwing Stetter Philippines under MAN Automotive Concessionaires Corporation were invited.

ACEL Christmas Party



On December 10, 2015, a Christmas party for the members of Associated Construction Equipment Lessors was held at the Gloria Maris Edsa Corner Shaw Boulevard Ortigas Center, Mandaluyong City wherein Schwing Stetter Philippines were also part of the sponsorship team of this event.

SSPH Christmas Party 2015



On December 19, 2015 a Christmas party with a Cartoon themed Christmas party was held at MAN Truck and Bus Center in EDSA Quezon City. The theme was inspired by different cartoon characters in remembering happiness of Christmas through our childhood memories. During the event, there was a parol - making contest with different entries showcasing Filipino inspired designs made by recycled and indigenous materials to show awareness on the environment friendly society.

Urban Parking Ramp Expansion — Benefits of a small Boom

The company recently added the new Schwing S 20 to their fleet with a 12' 8" outrigger spread and innovative Double Z, 4-section boom. It has proven to be the perfect tool on a parking structure expansion and multiple jobs in and around the city.



The Hotel Commonwealth near Fenway Park, in downtown Boston, is undergoing an expansion. Part of the addition extends over the hotel's existing underground parking structure. The hotel is adding three underground levels to the valet parking area to accommodate the anticipated increase in demand for guest parking. J.L. Marshall & Sons, Inc., Pawtucket, Rhode Island is the concrete contractors on the project. "In order to stay on schedule we were required to pump from the street for easy ready-mix access so the narrow outrigger footprint was the key to using a boom pump," according to Toothaker. Meanwhile, the multi-storey hotel construction was on-going above the parking structure pour.

No recent convert to the efficiencies of small booms, Toothaker has employed them for years in his Schwing fleet that includes boom sizes from 17 to 61. "There has always been a huge demand for our Schwing 17-meters," he adds, "Everywhere a boom pump can't go... is where our customers need them." The company has maneuvered boom pumps indoors to construct casino theatres and driven small pumps out on bridge decks where larger booms could not go. "We have a lot



of customers who specifically request our small boom pumps, so when I was introduced to the S 20 with the 4-section boom I instantly recognized it as a tool we could use," Toothaker notes.

The S 20, recently shown at the World of Concrete 2015, utilizes a Double Z boom with 270-degrees of articulation at the second and tip section. According to

Independent operator Dave Leptich, with 12 years experience, this is a huge advantage, "The fourth section and the two 270-degree Z fold sections are much easier for me to manoeuvre. It also helps out the customer if we can eliminate a couple of sections of hardline by getting in closer to the pour." "High utilization of the equipment is the name of the game for concrete pumpers," explains Toothaker, "The Hotel Commonwealth expansion is a good example of why I own three 17-meter boom pumps and now the S 20."

CT Meet a Customer

In a conversation with

Mr. Eduard Chong, President, EC Structural Composites Inc.,



About the Company:

EC Structural Composites, Inc. has successfully carried out a wide variety of projects in various industries ranging from simple residential and school buildings to the rehabilitation and retrofitting of miles of concrete and steel pipes, underwater piles, piers, silos, reservoir, bridges and other structures. Structural retrofitting uses externally bonded Fiber Reinforced Polymer (FRP) systems for the strengthening, repair and restoration of masonry, concrete, steel and wooden structures.

Landmark projects:

- Astoria Boracay Resort
- Astoria Palawan Resort
- Calveston Boracay Resort
- Stanford Residential Apartment
- Scandia I & II Residential Apartments

Schwing Stetter India equipment used:

Concrete Pump : SP 1200
Concrete Pump : SP 1400
Batching Plant : CP 30

Why Schwing Stetter India?

"Technology, price and availability made him choose Schwing Stetter India equipment".

In a conversation with

Mr. Noor Ifansyah, Advisor, PT. Agrabudi Karyamarga RMC



About the Company:

The Company is mainly into bridge construction in the remote areas other than Java and Sumatra in Indonesia. PT. Agrabudi Karyamarga RMC was established in 1980 and have built many strategically important landmark bridges in the island of Kalimantan and Java of Indonesia.

Recent & Landmark projects:

- Sura - Madhu – One of the longest cable stay bridge which connects Surabaya to the island of Madura.
- Mahakota II Bridge in Samarinda which is on river Mahakam, the largest river in Indonesia.
- Mahulu II Bridge
- Kahayan Bridge in Central Kalimantan
- Non Toll Road in Greater Jakarta

Schwing Stetter India equipment in use:

Concrete Pump : SP 1800 NV
Concrete Pump : SP 3000

Why Schwing Stetter India ?

There has been Schwing Stetter India equipment in most of the highrise constructions throughout Indonesia. Prominent construction companies in and around Indonesia use and recommend Schwing Stetter India equipment for critical application projects. Since their projects also involves construction of pylon, they selected Schwing Stetter India equipment because of ease of operation and maintenance. The height of central pylon was 120 metre from the base. Further, pumping of concrete with high strength mix design and tight deadlines for project completion were the main criteria for choosing Schwing Stetter India products which ensured experienced technical backup for such critical projects.

Precast Concreting Solutions

In the recent years, there has been a tremendous growth in the development of precast construction. It is also evident from the interest evinced by manufacturers all around the world. Precast construction has started off with big infrastructural projects like bridges, flyovers, metros, concrete sleepers, residential and commercial high rise buildings.

Precast concrete that are cast and cured in a controlled factory environment/ casting yard, helps to ensure the quality and uniformity. Moreover, the fabrication of precast segments/ panels in the factories eliminates weather delays and the key advantage in precast segments and panels is that it can be constructed much lighter and stronger than the regular or traditional poured concrete. Also precast is chosen to execute a project in a shorter time period and with less manpower.

The types of prefabricated components are reinforced / pre-stressed concrete like slab, column, beam, hollow core slab units, wall elements, L- panel units, foundation, prefabricated sandwich concrete panels. Using a Schwing Stetter India batching plant for making precast concrete have major advantages of

- Optimum utilization of materials to increase the production, crushing strengths, batch mixing in exact proportions.
- More production in minimum time with technically accepted outcome.
- Minimum operations to have the increased output.
- Conveyance of ingredients and final mix is with easy and minimum operations to the required spot in minimum time either through conveyor belt, bucket or hopper system.



This ongoing project of the 14 km Tembung – Kualanamu metro rail link extension uses our M1.25 batching plant for 4000 precast bridge sections. The total concrete poured and produced at this project is around 62,000m³ using 15m³ of concrete for each precast bridge section. The duration of this project to be executed is around 18 months.

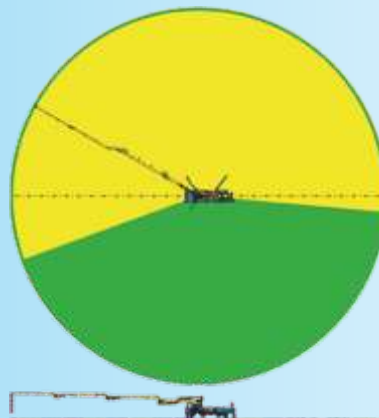


One-Sided Outrigger System Adds Versatility in Tight Set-Ups



Schwing has incorporated the EASy system allowing one-sided outrigger set-ups for the popular S 58 SX and S 61 SX long booms. By reducing the footprint of these truck-mounted concrete pumps, contractors have the flexibility to set-up in areas without impeding traffic while allowing the full reach of their 200-foot booms off one side of the chassis. "These long booms are the flagships of so many pump fleets across North America and have proven themselves on hundreds of high-visibility projects" states Schwing's vice-president of sales and marketing, Tom O'Malley, "But Schwing is dedicated to continuous design improvements to provide our customers the highest utilization and performance possible."

With the EASy system, the set up area is only 24' 4" wide. With both outriggers on the working side fully extended, operators enjoy maximum reach and 140-degrees of slewing range. By extending the opposite side front outrigger 2/3rds, the footprint is only 30' 7" wide and the slewing range is expanded to 200-degrees with maximum reach.



All of the allowable short rig scenarios available through the EASy System are integrated into Schwing's Vector Controls. Even during the critical set up phase, vector monitors and ensures the safety of the pump and its operator.

The working range limitations are guarded against operator "over-ride". The first warning when the boom gets close to the pre-set limits is monitored by an audible signal and reduction in the boom speed. When the limit is reached, the boom automatically stops.

If the operator tries to override the EASy limit with the manual hand valve, the audible signal will sound repeatedly and the boom will stop. The system does not monitor soil pressures, but the system does confirm ground contact before allowing the boom to function.

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expertise

AM10

Stetter Concrete Mixers



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