

IMECON NEWS

News Letter, Issue 11. 10/2009

EDITORIAL

Dear Customers!
Dear Friends!

Our last Imeco-News have been sent to you nearly one year ago and I sincerely apologize that we were unable to meet our promise and our own target – to send at least three mailings per year.

The past twelve months were probably the most crazy and difficult I remember. During the first half of 2008 we were nearly unable to handle all enquiries and orders but since autumn of last year most equipment manufacturers and suppliers, including ourselves, are sitting in front of empty order books. The economical situation has changed dramatically. While everybody could expect that some overheated economies will cool down sooner or later, the international bank crises became a worldwide phenomenon with deep impacts into the real economy and our daily life. Nobody is talking anymore about Millions - Billions of Dollars, Euros and local currencies had and have to be pumped into the market to rescue banks and insurances as well as other large corporations to avoid the complete breakdown of our business environment.

This would not have happened in a caring society and therefore we all have to shoulder more responsibility, not only for our families and friends but also for our fellow human beings and our environment.

The present issue of our Imeco News is specially dedicated to one of our main partners, the ABI GROUP who enjoys an excellent reputation world wide for the quality of their machines and equipment for the piling, drilling and foundation industry.

We hope that you will enjoy reading and that we touched fields of general interest.

Very truly yours,

Karl H. Pacik

UPCOMING EVENTS



For the first time we will participate as sponsor at the
PILING & DEEP FOUNDATION SAUDI ARABIA SUMMIT 2009
which will be held at the
RADISSON BLU HOTEL,
Al Mubarakiah Plaza, King Abdul Aziz Street, **Riyadh, Saudi Arabia**
from **8th-9th of November 2009.**



Once again we are looking forward to see you at the
BIG 5 International Building & Construction Show
held at the
Dubai World Trade Center
from 23rd - 26th of November 2009,
Hall 3, Stand B100

— Grouting

Whatever your grouting project needs, we have the right equipment to execute the job successfully:

- standard injection pumps
- triplex piston & screw pumps
- high pressure jetgrouting pumps
- grout mixers & batching plants
- storage tanks & agitators
- horizontal cement silos
- grouting accessories

— Imeco Product Line

TRENCH SHORING

- trench sheets & sheet piles
- trench struts & bracings
- trenchboxes
- sliderail elements
- pit and shaft shoring
- soldier pile shoring
- tie rods

DEWATERING

- vacuum wellpoint pumps
- self-priming contractors pumps
- heavy duty sludge pumps
- submersible pumps
- agitator & dredging pumps

TUNNELLING

- auger boring machines
- small rock boring heads
- pipe jacking equipment
- pipe bursting machines
- EPB tunnelling machines
- hard rock TBMs

PILING

- hydraulic add-on vibrators
- crane-suspended vibrators
- diesel impact hammers
- hydraulic impact hammers
- conventional piling leaders
- piling rigs with telescopic leaders
- piling rigs with fixed leaders
- vibroflotation equipment

DRILLING

- hydraulic crawler drill rigs
- rotary heads & drifters
- double drill heads
- large diameter DTH hammers
- add-on auger drives
- drilling tools
- anchors & micropiles
- grouting & jetgrouting equipment

FOUNDATION

- hydraulic foundation rigs
- equipment for CFA and SDA
- casing oscillators
- casings and casing joints
- drilling tools
- diaphragm wall grabs
- equipment for soil improvement
- bentonite mixers
- desanding units

OTHERS

- hydraulic drum cutters
- telescopic excavator booms
- crawler cranes

www.imeco.at

The ABI GROUP enjoyed a continuous growth during the past years and presented their complete product line during the recent in-house exhibition in their factory near Frankfurt / Germany. Today following brands and products are housed under one roof, serving the piling, drilling and foundation industry around the world with professionally engineered machines and equipment of outstanding quality meeting all international health and safety standards:



ABI

For many years the ABI telescopic leader machines are the undoubted world leader in this special category with hundreds of machines working on all five continents. The telescopic leaders are mounted to an excavator-type base machine of sufficient weight and power and can carry various tools. Originally designed and built to drive and extract sheet piles with a hydraulic vibrator the leader system became a multi-purpose piling and drilling machine which can operate not only vibrators but also sheet pile press, impact hammers and various auger drives. The applications are sheer endless: Driving and extracting of sheet piles, H-piles and steel pipes, pre-drilling of hard soil, making CFA and SDA piles, soil improvement by soil mixing and gravel piles and much more.



BANUT

Banut piling rigs are the choice whenever impact hammers are required to do the job. Mostly used for driving precast concrete piles the Banut rigs are also the optimum choice for driving H-beams and steel pipe piles in difficult soil conditions where vibrators can not do the job or where the bearing capacity of each pile has to be recorded. The Banut piling rigs use fixed leaders mounted to a special hydraulic base machine with extendable counter weight and stabilizers and a series of hydraulic impact hammers with a ram weight from 5000 to 10000 kg. The Banut 555 can handle piles up to 16 m and the model 655 up to 20 m length. To suit customers preferences diesel impact hammers may also be used.



DELMAG

Delmag diesel hammers have driven millions of precast concrete piles in every corner of this world and are synonymous for excellent quality, unmatched performance as well as easy repair and maintenance.

Since three decades Delmag also manufactures a series of hydraulic foundation rigs with a torque range from 120 to 340 kNm and at the upcoming Bauma exhibition in Munich next year also a 400 kNm model will be introduced. Most Delmag foundation rigs are built on Caterpillar or Sennebogen base machines and come with a crowd winch system to work not only with interlocking Kelly bars but also with continuous flight augers for CFA and displacement piles.



INTEROC

Interoc has been acquired in January this year and their line of crawler drill rigs for anchors, micropiles and jetgrouting as well as for geothermal bore holes up to 200 m depth is an ideal complement to the ABI Group's product range. Interoc hydraulic drifters, rotary heads and double drill units are used as attachments for all usual drilling works including drive drilling, rotary drilling, overburden drilling, double head drilling with rods and casings as well as drilling for jetgrouting. In addition Interoc manufactures two heavy duty add-on drill masts to be mounted to the boom of excavators with sufficient weight and power for special drilling applications.

— ABI GROUP In-House Exhibition 09/2009, Product Overview

Below photo gives an excellent overview of all machines and equipment of the ABI GROUP including Mobilram rigs with soil mixing and double drill head, Banut piling rigs with hydraulic and diesel hammer, Delmag foundation rigs in various configurations, Interock crawler drill rig as well as hydraulic add-on vibrators and drills.



— ABI Soil Mixing

For soil mixing the ABI Mobilram telescopic leader is equipped with one or two high speed rotary drives (90-110 rpm), drill rods and special mixing heads with grout nozzles. When rotating the mixing heads into the soft soil, a water and cement mix (grout) is pumped through the swivel, drill string down to the mixing head and mixed by the paddles with the existing soil producing a column of 'lean concrete'. Excellent ground stabilisation results as well as great daily progress can be achieved. Another advantage is that soil mixing is a smooth, silent process which can be made close to existing buildings as no vibration or impacts are required.



— ABI Double Drills



Double drill heads consist of two different rotary drives whereby the top drive rotates the inner auger clockwise while the bottom drive rotates the casing anti-clockwise. No other

drilling technique can make better CFA piles as the temporary casing guarantees the pile integrity as well as the perfect reinforcement position. For optimum drilling in different soil conditions the drill head can be repositioned relatively to the casing shoe.

— ABI Add-on Vibros

Hydraulic add-on vibrators are mounted to the excavator boom instead of the bucket (with or without goose neck extension) and connected to the hydraulic system of the base machine. There is no cheaper and faster method to drive sheet piles, beams and casings up to 8 m length. We offer seven different models with a static moment from 2-10 kgm for different soil conditions.



— ABI Leader Vibrators

During the past 20 years we used to evaluate and to select hydraulic vibrators for driving sheet piles, H-piles and casings mainly according to the centrifugal force (kN) which is calculated by the installed eccentric weights, the amplitude and the rotation speed. Due to the demand for machines with less impact to surrounding structures (especially in city areas) all manufacturers developed vibrators with high frequencies and variable moments but with two major disadvantages: Higher cost for repairs and maintenance and less power due to smaller amplitudes and lighter eccentric weights.

Fortunately ABI recognized these facts and developed a line of hydraulic vibrators with standard frequencies but with lots of 'punch'. Therefore if you intend to purchase a new ABI Mobilram piling rig or if you want to upgrade your existing machine with a powerful and easy to maintain vibrator you should look into our new line of MRZV-S vibrators which are available with following static moments:

18, 20, 22, 24, 26, 30, 36 and 42 kgm.



— APE Vibrators

Our free-suspended hydraulic vibros from APE are the ideal machines to drive sheet piles and beams where a longer reach is required as well as for large and long temporary or permanent steel casings. Below photo shows one medium sized APE200 driving such casings at a foundation project in Abu Dhabi.



— Imeco Trenchbox



Several large water, sewerage and drainage projects have been launched this year in the Middle East and it seems that this will continue also in coming months. Steel trenchboxes are by far the fastest, safest and most economical trench shoring method for trench depths up to 4 m and for most soil conditions. Our trenchboxes are available in lengths from 3000 to 4000 mm; base plates are 2400/2600 mm high and plate extensions 1300/1400 mm.

— Used Equipment

Presently we have following used machines and equipment for sale:

Hydraulic Vibrators:

- APE150, 907 kN, 1995
- APE200, 1513 kN, 1998
- APE400, 3200 kN, 1997
- ICE815, 1250 kN, 1988
- J&M 44-40, 800 kN, 1998
- PVE2316VM, 920 kN, 1999

Hydraulic Impact Hammers:

- BSP HH357/9, 1995
- Junttan HHK12A, 1997
- Pilemer DKH10, 2001

Diesel Impact Hammers:

- D21-42, 2003
- D30-32, 1995
- D46-32, 1999
- D62-32, 1999

Mobilram Piling Rigs:

- RE10/12, 400 kN, 1992
- RE12/14, 700 kN, 1991
- TM12/15, 600 kN, 1995
- TM12/15, 925 kN, 1997
- TM12/15, 925 kN, 2000

Foundation Rigs:

- BG7V, 18 m, 1987
- BG30, 18 m, 1900
- GH170, 2 kelly, 1990
- Soilmec R312, 32 m, 1997
- Soilmec R515, 52 m, 1996
- Soilmec R618, 48 m, 1995
- Soilmec RT3-ST, 48 m, 1995

Crawler Cranes:

- KH1000, 250 ton, 1993
- LS248RH5, 200 ton, 1991
- KH850, 150 ton, 1996
- HS872HD, 90 ton, 1992
- SC800, 80 ton, 1998
- KH230-3, 65 ton, 1991
- KH180-2, 50 ton, 1980
- CX500, 50 ton, 1996
- SC500, 50 ton, 1997
- LS118RH5, 50 ton, 1995
- KH150-3, 40 ton, 1991
- LS108RH5, 40 ton, 1990

Not all available items are listed and some may have been sold already. Therefore please contact us for further details and prices. Availability subject prior sale.