

## Editorial

Dear Customer!  
Dear Business Partner!

Another big5 exhibition will soon again open its doors in Dubai and more exhibitors as well as visitors are expected to celebrate the construction boom in the Emirates and neighbouring countries. The prices of hotels and accomodation during these very busy days in Dubai are sky rocketing, reaching and even surpassing those of major European and Asian cities which is the indication that Dubai becomes THE place to be and to do business.

My only concern is that the lunch break of four hours will not be sufficient to get from the exhibition centre to our hotel in Deira and back, leaving us enough time to eat at least a sandwich! The traffic situation in Dubai became frightening as more immigrants and visitors are enjoying the chances and the hospitality of this great city.

Some very positive developments during the past months are giving our company a real boost. In our continuous efforts to provide you with the best machines and equipment we agreed with the ABI/Banut/Delmag group about a closer cooperation in the Middle East and besides the well known ABI telescopic leaders we are now in the position to supply also the Banut piling rigs for precast concrete piles as well as Delmag foundation rigs. In addition we are able to offer diaphragm wall grabs and oscillators from Leffer and anchor drill rigs from Boart with Eurodrill rotaries and drifters. More details on the following pages.

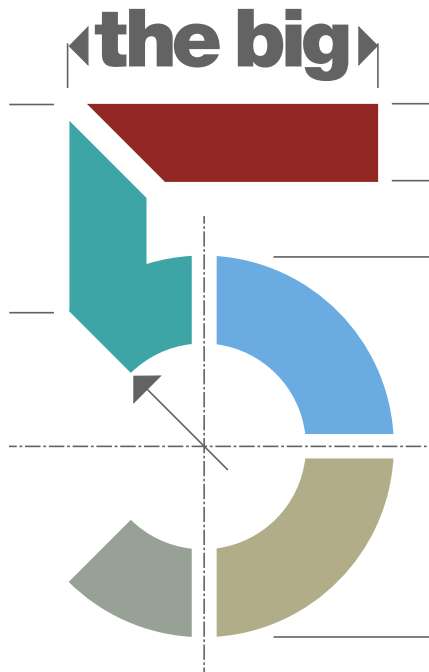
Hoping for your continuous support and many inquiries I remain,

Very truly yours,  
Karl H. Pacik

[www.imeco.at](http://www.imeco.at)

## Events

We are very pleased to inform you that we will participate at the big5 construction machinery & equipment exhibition held in Dubai from 16.11. to 20.11.2005 at the Dubai Exhibition Center at Sheikh Zayed Road.



The number of our stand is **HALL 3 • BOOTH B111** and we hope that many contractors, consultants and government bodies will stop by. Looking forward to seeing you!

## Product News

### — DIAPHRAGM WALL

High rise buildings and apartment blocks are housing an increasing number of people and families with more cars than ever looking for a place to park and the only solution is to build multi-storage underground car parks which need latest ground support technologies. The most economical and sometimes the only answers are diaphragm walls. Leffer from Germany is one of the world leaders in this field, offering mechanical and hydraulic grabs from 600 to 1500 mm wall width in standard or

heavy duty version and an open grab width up to 3200 mm. Leffer also provides measuring and control accessories to avoid deviation and rotation of the excavated panels.



Other products of Leffer are hammer grabs for circular piles, casing oscillators in short (for drill rigs) and long (for crane operation) versions as well as casing rotators.



Therefore if you are planning to make a diaphragm wall or if you have to use temporary steel casings in greater depth or of large diameters - please give us a call!

Our website [www.imeco.at](http://www.imeco.at) provides instant information concerning new and used material, machines and equipment for infrastructure and civil engineering projects.

## — PILE DRIVING

Driving and extracting of trench sheets, sheet piles and H-beams is an every day requirement at many civil engineering projects around the world and nothing is doing it faster and more precise than the telescopic piling leaders type MOBILRAM from ABI. The leaders are folded down to the base machine for maximum manoeuvrability even in very confined working areas and when erected you just have to push one button to adjust it automatically to vertical position for accurate pile driving. The Mobilram piling rigs with telescopic leaders are available with working lengths from 12.5 to 25 m and, depending on the power of the base machine vibrators with a centrifugal force up to 1400 kNm can be mounted.



For small piling and drilling jobs ABI offers hydraulic add-on vibrators and auger drives which are mounted to the boom of a hydraulic excavator with sufficient weight and power and operated by the hydraulic system of the carrier machine. The HVR-series vibrators can drive and extract sheet piles and H-piles up to 7-8 m length and the MDBA auger drives drill up to 1000 mm diameter.



The Mobilrams are not only working with vibrators but can also accommodate hydraulic pile press units, hydraulic auger drives for pre-drilling and soil mixing applications as well as double auger heads for making secant bored piles. The vibrators can be modified for soil compaction, stone columns and even small cast-insitu-driven piles. Therefore you may rest assured that a multi-purpose piling and drilling rig type Mobilram never will stand idle whenever civil engineering works are required.



## — BORED PILES

The advantage of the latest generation of DELMAG drilling rigs is the compact yet stable design combined with powerful and durable components like high-torque rotary heads and heavy duty winches. Further features are the use of special made carriers with telescopic undercarriage, parallelogram kinematics, reversible winches for the crowd system, modern hydraulic and electric control systems and detachable counterweights to reduce transport weight. The position of the winches at the mast keeps the wear on the cables down to a minimum. Despite the modernization of DELMAG drilling rigs, they haven't lost anything from their robustness and reliability.

DEMAG drilling rigs are available with interlocking kelly bars, continuous flight augers, soil displacement augers and double rotary heads for special piling applications.

Some of the main characteristics of DELMAG Drilling Rigs are:

- Proven design
- High usable length
- Based on a hydraulic carrier
- Telescopic undercarriage
- High strength and stability
- Crowd winch system
- Winches attached to the mast
- Mast folds back for transport
- High versatility



Please visit the picture gallery at our website to see some recently sold machines and equipment.

## — CRAWLER DRILLS



We offer three types of crawler drill rigs from BOART in Germany for soil anchors, micropiles, grouting and jetgrouting applications. The rigs can be equipped with rotary heads, drifters and double rotaries for a wide range of drilling works. Main technical data are:

Model	Torque max.	Feed Length	Engine	Weight
Delta 100	1400 daNm	4300 mm	80 kW	12000 kg
Delta 120	3200 daNm	3400 mm	109 kW	12000 kg
Delta 121	3200 daNm	4400 mm	128 kW	17000 kg

We also supply all necessary drilling tools and accessories for all known drilling techniques (rotary, auger, overburden, etc).

## — HAMMER



The photo left side shows the new hydraulic hammer type HIH400 from APE driving a precast concrete pile of 1370 mm outer diameter and 18 m length at a large piling job in Florida. The main technical data of this giant hammer are:

- ram weight 36290 kg
- total weight 64640 kg
- rated energy max. 488 kJ
- stroke max. 1372 mm
- blow rate 30-72 bpm
- standard pile sleeve 5440 kg
- overall height 6930 mm
- hydraulic power pack 470 kW

All APE hydraulic hammers are built comparatively short and the control system works on hydraulics only (no electrical cables).

Besides hydraulic hammers with a ram weight from 5400 up to 54000 kg APE manufactures a wide range of hydraulic vibrators in single, twin and quad configuration as well as auger drives, piling and drilling leads for mounting to an excavator boom and heavy duty crane suspended leader systems.

## — 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

### Others:

- Diaphragm wall grab 800 mm
- Casing Oscillator 1000 mm
- Casing oscillator 1500 mm

Not all available items are listed. Please contact us for further details and prices.

Availability subject prior sale.

## — AUGER BORING



E+S from Germany has developed a new generation of horizontal auger boring machines and the most powerful unit BPU800 comes with a torque of 27000 Nm and 132 ton thrust to install steel pipes up to 1000 mm diameter in most soil conditions. The boring head with pilot bit can be accurately steered for precise bores in line and grade. Another advantage is the short length of the machine so that only short launching and receiving shafts are required.

## — DESANDER



In addition to our very successful line of bentonite desanders for foundation works (bored piles, diaphragm walls, etc) we now offer desanders with double passage



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for most demanding microtunneling and revers mud circulation applications. All our desanders are supplied with heavy duty Warman pumps for maximum performance and reliability.

Our series of HPD desanders are available with a capacity of 150-350 m<sup>3</sup>/h and a cut point of 30 micron. Some main advantages are:

- high efficiency
- little maintenance
- excellent reliability
- patented control system

## — DRUM CUTTER



Changing the round shank carbide bits at our hydraulic drum cutters has always been a little difficult but with our new QuickSnap safety ring a bit can be changed within five seconds - try it!

## — TIE RODS



Our tie rods for retaining walls, coffer dams and other marine works are made of continuous thread bars in high grade steel SAS670 with a yield load from 160-2960 kN. Due to the continuous thread the bars can be cut and coupled at any position for maximum flexibility at site. Our tie rods are also available hot-dipped galvanized or epoxy coated.

## — Imeco Product Line

### TRENCH SHORING

- trench sheets and sheet piles
- trench struts
- trenchboxes
- sliderail elements
- linear shoring system
- pit and shaft shoring
- soldier pile shoring

### DEWATERING

- vacuum pumps
- high pressure jetting pumps
- self-priming contractors pumps
- wellpoint accessories
- multi-stage centrifugal pumps
- deep well accessories
- submersible agitator pumps

### TUNNELLING

- horizontal directional drill rigs
- auger boring machines
- small rock boring heads
- pipe jacking equipment
- microtunnelling machines
- hard rock TBMs
- tunnel mucking equipment

### PILING

- hydraulic add-on vibrators
- crane-suspended vibrators
- diesel impact hammers
- hydraulic impact hammers
- conventional piling leaders
- telescopic piling leaders
- hydraulic piling rigs
- soil improvement equipment

### DRILLING

- hydraulic crawler drill rigs
- hydraulic rotaries and drifters
- double drill heads
- add-on auger drives
- strand and bar anchors
- drilling tools
- self-drilling micropiles
- grouting mixers and pumps
- jetgrouting equipment

### FOUNDATION

- hydraulic foundation rigs
- soil displacement rigs
- equipment for CFA and SDA
- casing oscillators
- casings and casing joints
- drilling tools
- pile and diaphragm wall grabs
- friction and locking kelly bars
- bentonite mixers
- desanding units

### OTHERS

- hydraulic drum cutters
- hydraulic rock saws
- telescopic excavator booms
- crawler cranes (used)