

# GRLWEAP Version 2003

**G**RLWEAP Version 2003 from **Pile Dynamics Inc.** is more user friendly more accurate and faster than ever. It also includes new help features such as a continuously updated hammer database with over 500 hammer models and extensive driving system data. GRLWEAP is the most realistic pile driving simulation software available. Over the years, GRLWEAP has evolved from a main frame and DOS based micro-computer software into a powerful, windows based program with many helpful options.

## **GRLWEAP Main Features**

1- GRLWEAP predicts driving resistance, dynamic pile stresses, and estimated capacities based on field observed blow count, for a given hammer and pile system.

2- GRLWEAP replaces blow count with speed of penetration for the analysis of vibratory driven piles.

3- GRLWEAP helps select an appropriate hammer and driving system for a job with known piling soil and capacity requirements.

4- GRLWEAP drivability analysis determines whether a pile will be overstressed at a certain penetration

## **New Features of GRLWEAP 2003:**

- Expanded and revised hammer data and revised driving systems data
- Reformatted main input screen
- Direct access of manufacturer's suggested input parameters
- Gravitational accelerations of pile and hammer are inputs
- Approximate static analysis of soil resistance included for drivability analysis
- Choice of software key or hardware key
- Additional analyses examples. □

طوّرت شركة Pile Dynamics Inc. برنامجها GRLWEAP الإلكتروني وأطلقت نسخة جديدة منه لعام ٢٠٠٣. وتتميز النسخة الجديدة ببياناتها الجديدة الموسعة والأمثلة التحليلية الإضافية وغيرها من الميزات.