7FTD CO., LTD

7FTD有限公司是柬埔寨的首家专注于生产电线杆、基础桩，污水管道和其他混凝土类产品的专业制造厂家。

THE FIRST COMPANY IN THE KINGDOM OF CAMBODIA WHICH IS EXPERT AT MANUFACTURING ELECTRICAL POLES, FOUNDATION PILES AND OTHER CONCRETE-RELATED PRODUCTS

EXCELENT QUALITY IS OUR COMMITMENT

WWW.7FTD.COM.KH
<table>
<thead>
<tr>
<th>N</th>
<th>类型 (mm)</th>
<th>Class</th>
<th>长度 (m)</th>
<th>管道厚度 (mm)</th>
<th>混凝土方形区域 (cm²)</th>
<th>压力 (Kg/cm²)</th>
<th>Bending Moment</th>
<th>允许的轴向负载 (T)</th>
<th>单位重量 (T/m)</th>
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混凝土在28天（气缸样品）级经受60MPa。管道的生产和检测标准，符合JIS A5355-1987标准。设计和生产满足客户要求的管道。
7FTD Co., Ltd. is the first company in the Kingdom of Cambodia which is expert at manufacturing electrical poles, foundation piles, and other concrete-related products following the European standards.

7FTD is established following the agreement to sign a JV Contract on 27 November 2009 in accordance with the Law on Investment of Cambodia. The Certificate of Commercial Registration No. INV.62575/2009 dated 04 November 2010 is issued by Ministry of Commerce. The Permission Letter No. 2210/10 K.O.R.K dated 27 October 2010 issued by the Council for the Development of Cambodia (CDC). JV partners consist out of the following parties:

- SOKCHOEURN DEVELOPMENT CO., LTD legally represented by Mr. EM SOKCHOEURN, Khmer, Kingdom of Cambodia, holding a share of 42.50% in 7FTD Co., Ltd.

- FLANDERS CONCRETE N.V. legally represented by Mr. JEAN PIERRE MEYFROODT, Belgium, holding a share of 42.50% in 7FTD Co., Ltd.

- THUDUC LONG AN CENTRIFUGAL CONCRETE JOINT STOCK COMPANY legally represented by Mr. PHAM NGOC HIEP, Vietnam, holding a share of 15.00% in 7FTD Co., Ltd.

After winning approvals from the Council for the Development of Cambodia (CDC), the relevant ministries/institutions of the royal government and local authorities, 7FTD Co., Ltd. became operational on 1 December 2009 with a total investment capital of about USD 12,000,000.

The factory is located at Vihear Sour commune, Ksach Kandal district, Kandal Province.
7FTD’s main objective is to strengthen its value chain in order to provide customers with technical benefits by focusing on quality. 7FTD’s priority is to respond to the needs and preferences of the customer while following the technical standards of the developed countries.

The basic reason which ensures the success of the above mentioned objective lies in the fact that we invest in the latest equipment, engineers, skill staff and workers, who have been trained in Belgium and Vietnam.

Based on our vision, 7FTD attempts to upgrade its business model constantly and invests in latest technology in order to customers. Our main focus is on quality, services and competitive prices. This means “Customers’ Satisfaction is Our Greatest Benefit”.

Again, we are honored and would like to express our sincere gratitude towards you for choosing our solution.

7FTD有限公司的主要目标是不断地提高我们的产品价值链，并通过关注产品质量，从而使客户获得更优质的技术支持。同时依据发达国家的技术标准，以客户的需求和利益第一作为我们永远至上的服务宗旨。

其中最根本的能保证我们完成以上宗旨的成功因素是我们投入了大批先进的仪器设备，同时在比利时和越南培训了大量优秀的工程师，技术工。
公司名称 : 7FTD CO., LTD, 简称 7FTD
Company Name : 7FTD CO., LTD, In Brief 7FTD
地址 : Vihear Sour Commune, Khsach Kandal District, Kandal Province.
Address : Vihear Sour Commune, Khsach Kandal District, Kandal Province.
电话 : (855) 24 636 7077
Telephone : (855) 24 636 7077
手机 : (855)12 71 3636
Mobile : (855)12 71 3636
邮箱 : info@7ftd.com.kh
E-mail : info@7ftd.com.kh
网址 : www.7ftd.com.kh
Website : www.7ftd.com.kh

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地址 : #142, St. Samdech Sotheary, Telebasac, Chamkarmon, Phnom Penh, Cambodia.
Address : #142, St. Samdech Sotheary, Telebasac, Chamkarmon, Phnom Penh, Cambodia.
电话 : (855)23 996 876/23 996 876
Tel : (855)23 996 876/23 996 876
传真 : (855)23 996 877
Fax : (855)23 996 877
邮箱 : sales@7ftd.com.kh
E-mail : sales@7ftd.com.kh
网址 : www.7ftd.com.kh
Website : www.7ftd.com.kh

7FTD 有限公司基本信息
Brief Information of 7FTD CO., LTD
工商登记证书号码 : INV.6257E/2009 由柬埔寨工商局与 2010 年 11 月 4 日颁发
Certificate of Commercial Registration No. : INV.6257E/2009 dated 4 November 2010 issued by Ministry of Commerce of the Kingdom of Cambodia
注册资本 : 4,000,000,000.00 Riel = USD 1,000,000.00
Registered Capital : 4,000,000,000.00 Riel = USD 1,000,000.00
**Purpose of the Investment Activities**

建立工厂的目的主要是为了生产以下产品及配套的服务:

The purpose of the investment in the establishment of this factory is to **manufacture and distribute** the following products:

1. 钢井杆 (Electrical Poles)
2. 基础桩 (Foundation Piles) and
3. 其他混凝土类产品 (All other concrete-Related products)

- 为解决市政建筑，工厂和软件配套设施等项目发展提供技术支持
- Provide technical support concerning the development of civil construction, factory and infrastructure.
- 安装电缆线路和电力蓄力电站
- Install cable network and electrical power storage station.
- 为解决超重设备的运输提供解决方法
- Install tools for transporting heavy equipment.
- 为工业领域企业生产，加工全自动化器械
- Manufacture and distribute automatic machines used in the industrial field.
- 为建筑领域企业生产配套仪器设备，提供原材料
- Distribute equipment, machine and raw materials used for construction.
- 为安装电力能源系统提供配套设施
- Supply equipment used for the installation of electrical power system.
- 为混凝土行业提供专业的咨询和技术转让服务
- Provide consultancy services and transfer technology concerning concrete industry.
With the support from the company’s Executive board, we build up competent and skillful human resources. These human resources are closely connected to our company and play an important role in our development:

- College - University: 35 persons
- Vocational School: 15 persons
- High ability workers: 50 persons
- Technical workers: 300 persons

At the Inauguration Ceremony of the Factory to Manufacture on March 1, 2011
7FTD有限公司坐落在柬埔寨干丹省的VIHEAR SOUR村，公司可生产的电线杆和PC，PHC桩直径范围为300mm到600mm，最大长度为16米。1号厂房的生产力为：每日平均80个桩或100根电线杆。

7FTD Co., LTD
Located at Vihear Sour Commune, Kandal District, Kandal Province, 7FTD manufactures electrical poles and PC, PHC piles with diameter from 300mm to 600mm, with a maximum length of 15 meters. 1st plant with average capacity: 80 pile in kinds or 100 electrical poles in kinds per day.

多年在混凝土行业的经验告诉我们机器和设备在生产高质的产品方面起到至关重要的作用。我们公司已经投入了大量高尖的仪器和设备，并会持续不断的投入高新的设备，从而保证我们企业的成功发展

By many years of experience in manufacturing concrete products, we realize that machines and equipment play a huge role in product quality. They can and will effect production. Our company has invested and still invests in the most working contributes to the overall success of our company.

- 钢材切割机(Steel Cutting Machine)：1套系统(1 System)
- 搅拌联合机(Heading machine)：2套系统(2 Systems)
- 钢拉伸机(Steel tension machine)：2套系统(2 Systems)
- 钢筋笼制作机(Steel cage making machine)：1套系统(1 System)
- 混凝土配料厂(Concrete batching plant)：1套系统(1 Station)
- 起重机轨道(Mobile crane on rail)
  - 装卸力 20tons/240m (Loading capacity 20T/240m)：1台(1 Unit)
- 桥式起重机(Overhead crane)
  - 跨度19米(Span 19m)
    - 装卸力16吨(Loading capacity 16T)：2台(2 Units)
    - 装卸力10吨(Loading capacity 10T)：2台(2 Units)
    - 装卸力6吨(Loading capacity 6T)：1台(1 Unit)

生产PC&PHC管桩，电线杆的纺纱系统(Spinning systems for producing PC & PHC spun piles, electrical poles)：6台(6 Units)
<table>
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<tr>
<th>Diameter (Diameter) (mm)</th>
<th>300</th>
<th>350</th>
<th>400</th>
<th>500</th>
<th>600</th>
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<tbody>
<tr>
<td>Length (Length)</td>
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<td>05-14</td>
<td>05-15</td>
<td>05-15</td>
<td>05-15</td>
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<tr>
<td>Wall thickness (Wall thick)</td>
<td>60</td>
<td>65</td>
<td>75</td>
<td>90</td>
<td>100</td>
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<tr>
<td>Pitch (Pitch)</td>
<td>Zone L1 (mm)</td>
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<td>50</td>
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<td></td>
<td>Zone L2 (mm)</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

**Applied Standard (Applied Standard)**


**管 PC & PHC Piles**

A级 (Class A) - 可用于受高交叉负载影响的民用建筑项目
Can be used for civil building projects that are affected by high cross-load capacity.

B级或C级 (Class A or C) - 可用于受高交叉负载能力影响的建设项目，比如：桥梁，港口等...
Can be used for construction projects that are affected by high cross-load capacity such as: Bridges, Sea ports, etc...
<table>
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<tr>
<th>Type</th>
<th>Length (m)</th>
<th>Diameter at top (mm)</th>
<th>Diameter at bottom (mm)</th>
<th>Wall thickness (mm)</th>
<th>Load Strength (kgf)</th>
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<td>7.5</td>
<td>160</td>
<td>244</td>
<td>50 - 60</td>
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<td>8 m</td>
<td>8</td>
<td>160</td>
<td>255</td>
<td>50 - 60</td>
<td>F400 – F590</td>
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<tr>
<td>8.5 m</td>
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<td>255</td>
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<td>F200 – F300</td>
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<td>10.5 m</td>
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<td>330</td>
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<td>F330 - F540</td>
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<td>12 m</td>
<td>12</td>
<td>190</td>
<td>350</td>
<td>50 - 60</td>
<td>F350 – F900</td>
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<td>14 m</td>
<td>14</td>
<td>190</td>
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<td>456</td>
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Note: The above technical figures according to the designed drawing of 7FTD.
我们知道产品质量是关系建筑行业生存的关键因素，所以我们公司的经营原则是“质量是我们赢得客户信任的长远目标”

我们可以使用现代化的机器和设备，时刻严格控制材料输入状态，同时高科技的实验室结合高端的产品质量检验设备，使得生产具有高性能和高质量的产品成为可能。

我们的工厂是拥有着优化的生产线和严格的科学质量管理体系的企业，从材料输入直至最终产品，从生产到交付，包括沙石在进入生产线之前，都做到了筛分和清洗。

沙土筛分( Sand Sieving Machine )

Regarding to the principle: “Everything is base on Quality in order to keep our customers forever”, we know that quality is a crucial factor in construction.

We can obtain this high level of quality by using modern machines and devices which were implemented in a way that makes high performance possible, by rigorously checked input materials; by a high tech laboratory with all necessary equipment and instruments for investigating materials and examining product quality.

We have built a factory with an optimized production line and rigorous process of scientific quality management from the input of materials until the delivery of the end products.

Sand and gravel have been sieved and cleaned before entering the production.
All the brand new and high tech testing equipment have been imported from Belgium (Europe). We closely work together with a specialized company for quality management and we constantly want to improve in order to supply optimal products for our customers.

As a result of the above mentioned investment, our products are always ensured of quality and consistency.

Our goal is to make customers satisfied. We meet your demands in our products!

Excellent Quality Is Our Commitment!
TEST THE PRESTRESSED REINFORCED CONCRETE

Put pile on the test platform

Check the visual crack

Testing variety loading levels
Put pole on the test platform

Measure distance between center pole-standard point

Measure concrete grade

Check the visual crack

Measure deflection with variety loading levels
PROJECT REFERENCES

7NG Group Co., Ltd
NURI D&C
IBC Project
T-RO Construction
Mekong View Tower
EVERGREEN Consortium Co., Ltd
VVF Development Co., Ltd
Thya Ktech Co., Ltd
Dung Try Constrciton

HOTEL 13 Floor
Kampong Cham, Mol Dina

Start pile driving
After driving
Welding joint
Painting after welding joint
Pile driving process

Customer: NURI D&C
Start date: 28/11/2011
Product: PC D300
Depth: 22m (10+12)m
Project: Find Art School (9 Floors)
Address: Behind Wat Lanka, PP

Vichea Commune, Khsach Kandal District, Kandal Province. Tel: (855) 23 996 876 / (855) 24 636 7077
Mobile Phone: (855) 12 71 36 36, Fax: (855) 23 996 877, E-mail: info@7fd.com.kh, Website: www.7fd.com.kh
PROJECT REFERENCES

Pile driving process

Customer: EVERGREEN
Start date: 30/11/2011
Product: PC D400 & D500
Depth: 32m (10+10+12)m
Project: Condominium
Address: Chak Angre Krom, PP

Welding joint

Position measurement

Setting point for pile driving

Pile driving process

Pile driving process

Pile driving process

Customer: VVF
Start date: 04/01/2012
Product: PC D300
Depth: 22m (10+12)m
Project: Rice Warehouse
Address: Kampot, Cambodia

Vheur sour Commune, Khcsach kandal District, Kandal Province. Tel: (855) 23 996 876 / (855) 24 636 7077
Mobile Phone: (855) 12 71 36 36, Fax: (855) 23 996 877, E-mail: info@7fd.com.kh, Website: www.7fd.com.kh
Customer: Mekong View  
Start date: 01/05/2012

Product: PC D400  
Depth: 24m (12+12)m

Project: Condominium (15 Floors)  
Address: Chroy Changvar, PP

Customer: R-Construction  
Start date: 12/05/2012

Product: PC/PHC D400  
Depth: 12m

Project: Ford Show Room  
Address: Norodom Blvd, PP
Customer: Mr. Mol Dina
Start date: 22/06/2012

Product: PHC D300
Depth: 26m (10+10+6)

Project: Hotel (15 Floors)
Address: River site, Kampong Cham

Customer: Mr. Chanlatet
Start date: 18/07/2012

Product: PC D300
Depth: 12m

Project: Flat (5 Floors)
Address: #87A, St. Sothearuos, PP
Customer: Mr. Sin Kim Heng
Start date: 20/07/2012

Product: PC D300
Depth: 14m (6+9+9)

Project: Appartment (10 Floors)
Address: Dounpenh, Phnom Penh
7FD CO., LTD

Representative Office:
Address: #124, St. Sotheavaros, S/K Tonlebasac Khan Chamkarmon, Phnom Penh
Tel: (855) 23 996 876
Fax: (855) 23 996 877
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