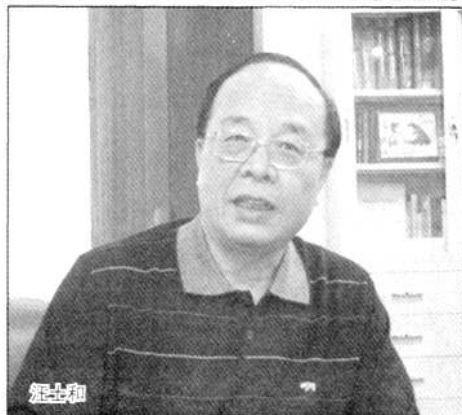


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《建筑》杂志 ■ 半月刊一月上  
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特别鸣谢

国家特级企业——南通四建集团的大力支持

万方数据

## 时评

### 监理行业呼唤一场大变革

## 关注

本刊特稿: 06

## 建设工程监理 定位要准确 制度要创新

监理制度实行20年来,市场越来越大,体系越来越完善,为我国大规模的工程建设事业做出了不可磨灭的贡献。但是,目前行业存在很多问题,有些还是根本性的,尤其是监理定位不清的问题,已严重影响到整个行业的健康发展。对此,无论是行业主管部门,还是监理企业,都有清醒而深刻的认识。扭转监理行业的尴尬局面,制度创新将是必要而且有效的途径。

记者视角: 13

## 让施工过程更节能

记者视角: 18

## 高精度轨道板是这样 “炼”成的

一块貌不惊人的混凝土板,却在一定程度上,决定着高铁动车能否“飞”得平稳、“飞”得安全。中国高铁建设者对国外技术消化吸收再创新,成就了像“绣花”一样精细的轨道板生产工艺。



长寿命节能型3.5KW灯具, 是本公司研发的专利产品, 它适用于建筑施工及高空作业的场所, 投放上海市场一年多的时间里, 客户反映良好, 本公司新产品与老产品相比具有如下优点(见数据):

1. 施工方便: 采用一体化设计将镇灯、启动器、限流器、灯具主要部件构成一体, 并预留电源输入接线端, 不仅方便用户接线安装, 同时还提高了工程施工效率。
2. 节能: 老产品镇流器所产生的热能, 在新产品中转换成光能, 在照明效果相同的条件下, 节约0.8 - 1.2千瓦/小时。
3. 寿命长: 采用高电压、小电流设计, 老产品工作电流: 16-20A; 新款灯具工作电流: 7-8A, 减轻了镇灯电极的烧损及灯泡内胆铝片电流密度过大的缺陷。使镇灯灯泡的使用寿命延长到3000小时。本产品按国家规定执行“三包”。
4. 价格低廉: 由于新产品设计取消了镇流器, 不仅成本降低60%。同时电源铜导线由6mm<sup>2</sup>降至2.5mm<sup>2</sup>, 使每100m导线节省1000元。并解决了易过热燃烧的镇流器部件给工程带来的不安全隐患。

注: 灯具安装尺寸是均布在Φ100圆周上的三个Φ13通孔。

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# MAIN CONTENTS 英文要目

- 06 Construction engineering supervision: orientation shall be accurate and system shall be innovative**  
Within 20 years since establishment and implementation of supervision system, supervision market has become larger and larger and supervision system has become more and more consummate. Supervision system has made an indelible contribution to Chinese large-scale engineering construction cause. But currently, such industry still has many problems and some of them are fundamental. Particularly, ambiguous orientation of supervision has seriously affected the healthy development of the whole industry. For this problem, both industrial authority and supervision enterprises shall have a clear and profound understanding. System innovation will be a necessary and effective approach to change the embarrassing situation of supervision industry.
- 18 High-precision slab track made in this way.**  
An ordinary piece of concrete slab determines to some extent whether high-speed train can “fly” stably and safely.  
Through absorption, digestion and innovation of foreign high-speed rail technologies, Chinese high-speed rail constructors have made each technical standard as detailed as possible.
- 23 Characteristics and enlightenment of scale structure of construction industry in developed countries**  
Scale structure of construction industry mainly refers to proportion of large, medium and small enterprises. It can reflect whether scale structure of the construction industry is reasonable and resources are effectively allocated.  
China is in a period of fast development. Scale structure of the construction industry is still not stable and perfect; however, construction industry in many developed countries has reached a certain scale and stepped into the relatively stable period. Through arrangement and calculation of statistic data of the construction industry in USA, Japan, Britain and Chinese, this article concludes industrial concentration index of construction industry in such countries, determines structure development trend of Chinese construction industry and difference between China and developed countries through comparative analysis and puts forward corresponding countermeasures and proposals accordingly.
- 26 Hunan: the local government making great efforts to promote rapid development of the construction industry**  
Currently, Opinions the People’s Government of Hunan Province about Further Promoting Reform and Development of the Construction Industry are officially issued and implemented. Providing policy support for development of the construction industry of Hunan from the aspect of “promoting enterprise reform, improving competitive strength, changing operation mode, expanding business field, strengthening labor service training, developing labor service economy, enlarging support and creating an favorable environment”, such opinions will become an outline document guiding reform and development of construction industry of Hunan Province during the period of “the 12th Five-year Plan”.