

Stork Innovation: 现场服务创新应用

Scaffolding 2. 新型脚手架方案案例

- 轻质铝制脚手架，相比传统的脚手架：
 - 节省60%人工操作；减少50%安装时间；快速安装和拆卸。

Stork是英国市场最大的离岸脚手架公司，第一家引入离岸脚手架CAD设计和3D旋转的企业。

高质量的材料，独特的剖面设计和无缝焊接的组装能力，使Alustar成为世界上最强大的铝系统。

Strength 优势:

- Aluminium profile铝外形；
- No welds无缝焊接；
- Type of aluminium铝制

Flexibility 高度灵活性

- A system scaffold系统支架；
- Metric interconnected system度量互联系统；
- Special components特殊组成

Cost 节省成本

- More than 20 years of life超过20年使用周期；
- Erection/dismantling time安装/拆除时间短
- Logistic and weight物流简便且重量轻；
- Increased productivity高生产力



CASE STUDY: MAJOR UKCS OPERATOR

ALUSTAR ALUMINIUM SYSTEM SCAFFOLD

Workscope

Stork was contracted by a major UKCS operator who presented a number of challenges.

They required:

- A faster erecting and dismantling scaffold system
- Reduction of manual handling and loads applied to aging steel structures
- The scaffold material had to resist the effect of corrosion compared to the conventional tube and fittings
- Eliminate the requirement for using scaffold fittings.

Solution

After conducting a comprehensive research and development programme, Stork successfully sourced and implemented Alustar's aluminium system. This system has a robust and highly proven offshore track record, having been used extensively within the Norwegian and Danish sectors of the North Sea. Prior to implementation, Stork provided full training for all Scaffolders involved.

Results & benefits

- Over 60% reduction in manual handling for all scaffolders
- Faster installation time compared to conventional scaffold access (less than 50% of time).
- Reduction in scaffold tonnage required i.e. 24.0 Te as opposed to 60.0 Te in comparison to conventional material
- As the tubular components are 48.3 external diameter, traditional fittings/tubes can be attached

Project information

When: August, 2017

Location: UKCS

Product: Alustar Aluminium System Scaffolding.

Safety: Project delivered safely, on time and with no incidents.

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A Fluor Company