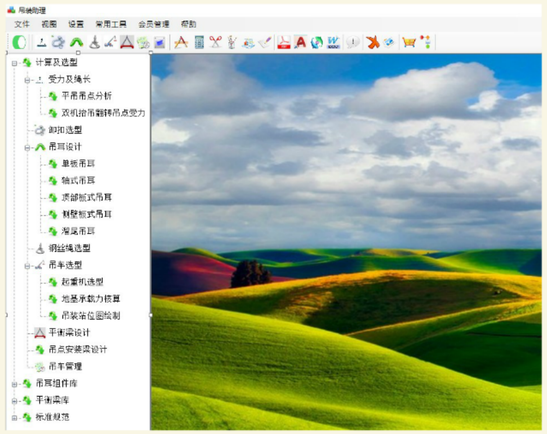
吊装助理

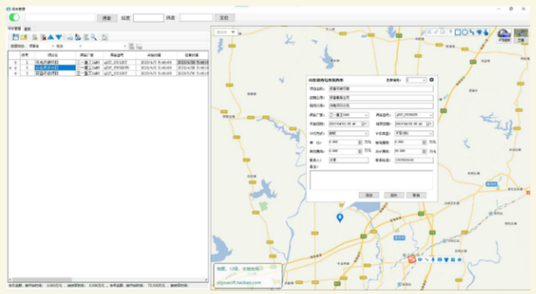
专业吊装方案编制软件

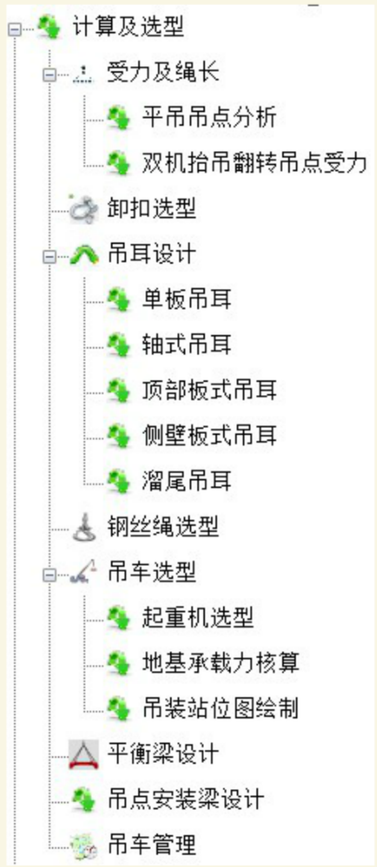
吊装助理功能介绍

主要功能：

- 吊点受力
- 卸扣选型
- 吊耳设计
- 钢丝绳选型
- 吊车选型
- 平衡梁设计
- 吊点安装梁设计
- 吊车管理
- 吊耳平衡梁库
- 行业标准规范

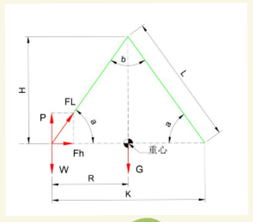






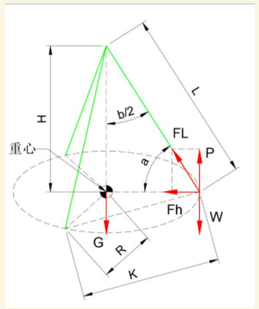
吊点受力

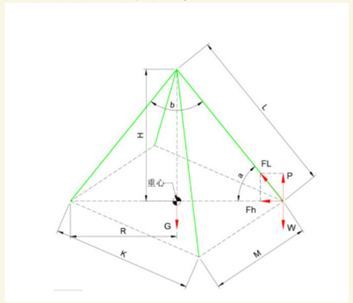
含双机抬吊



两点吊装

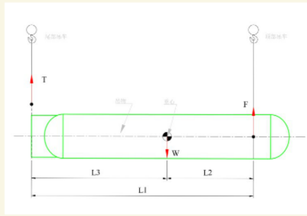
三点吊装

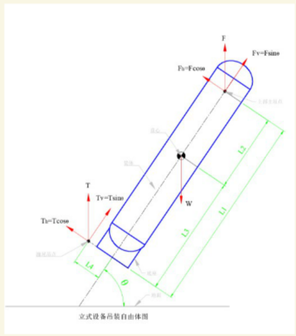




四点吊装

双机翻转





双机抬吊

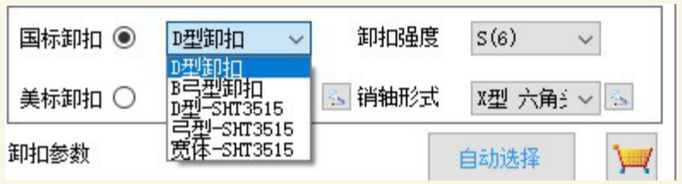
参数传递

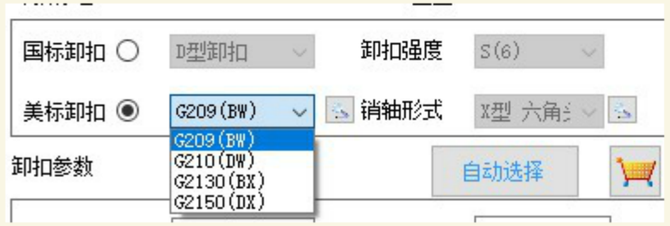
吊耳设计

吊车选型

卸扣选型

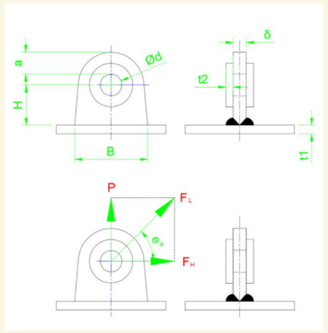
包括美标和国标卸扣各种类型和级别的卸扣，规格从0.32T到2000吨，卸扣强度包括M4,S6,T8。



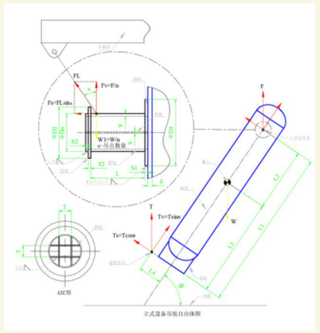


吊耳设计

吊耳设计包括单板吊耳，轴式吊耳，顶部板式吊耳，侧壁板式吊耳，尾部吊耳设计和验算。

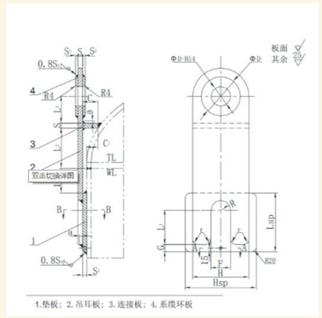


单板吊耳



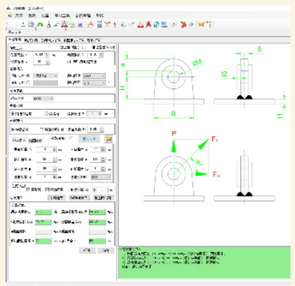
轴式吊耳

顶部板式吊耳

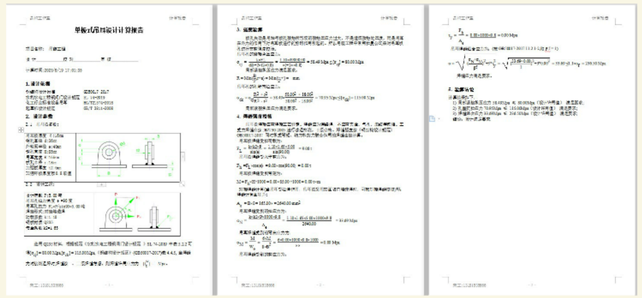


侧壁板式吊耳

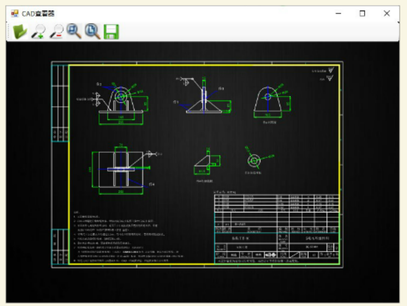
尾部吊耳



自动设计



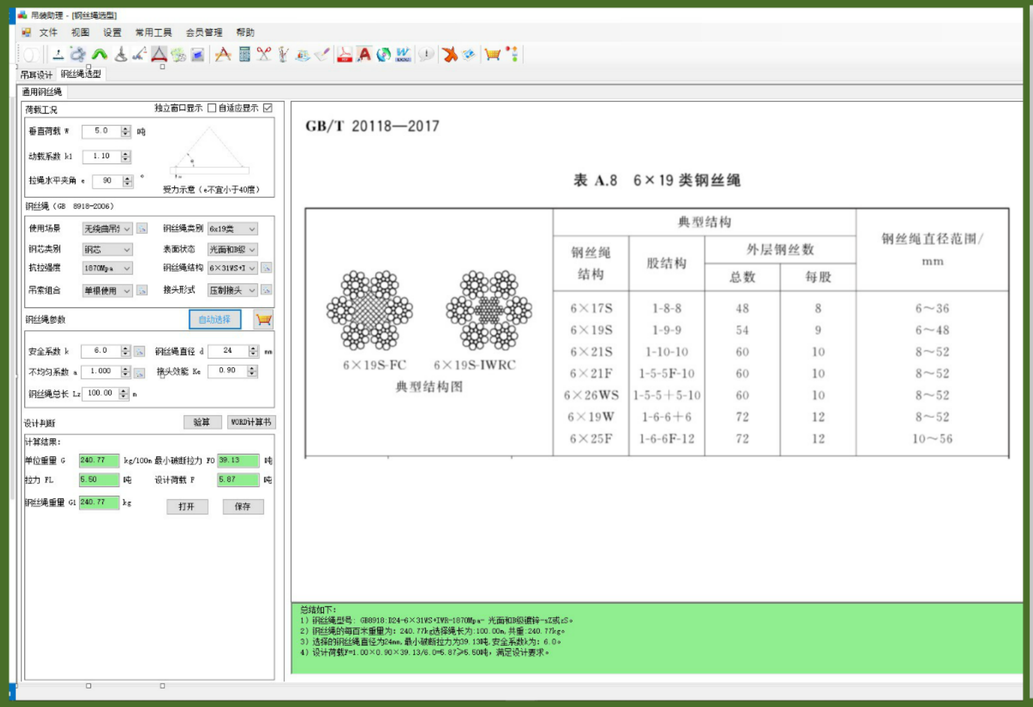
生成计算书

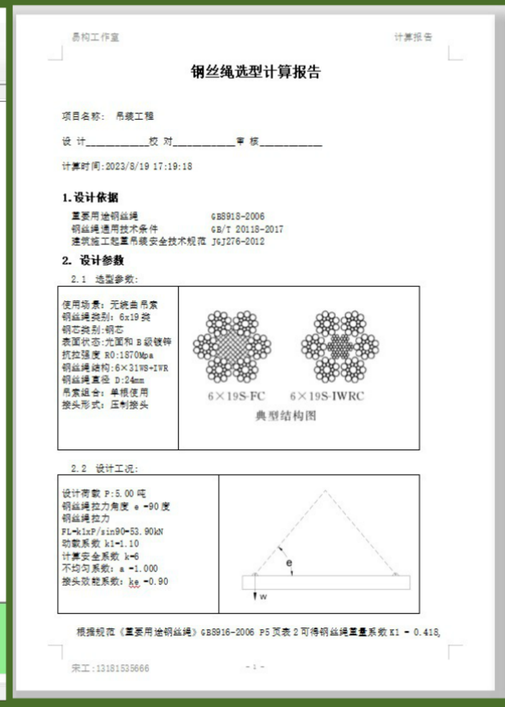


生成施工图

钢丝绳选型

依据GB8918对吊装常用钢丝绳进行自动计算直径D或验算，并生成详细的计算书。

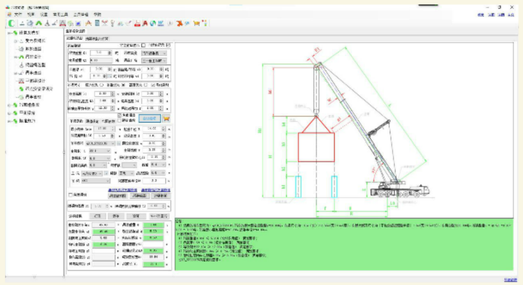




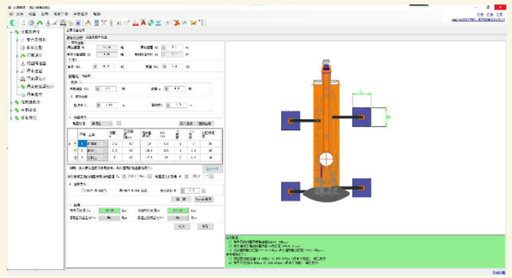
吊车选型

包括地基承载力核算和吊装平面、立面、索具连接图绘制。

- 包含三一重工，徐州重工，中联重工的汽车吊、全地面起重机、履带吊的56种型号吊车，吨位从12T-2400T。
- 可根据吊重、起升高度、经济性因素考虑，自动选型合适的吊车。
- 自动匹配选型吊车的参数手册，快速核查吊装参数。

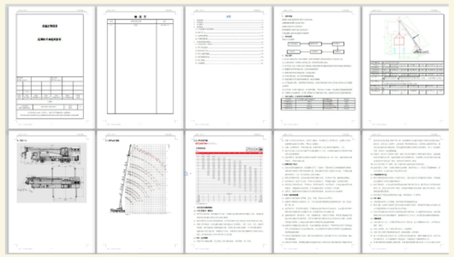


吊车选型界面

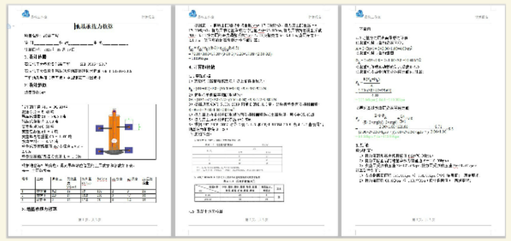


地基承载力核算

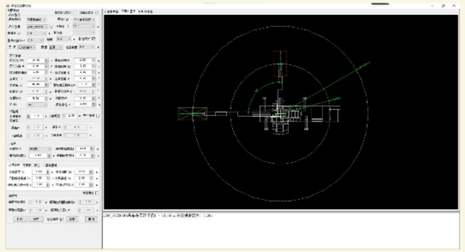
吊装立面图绘制



吊装方案



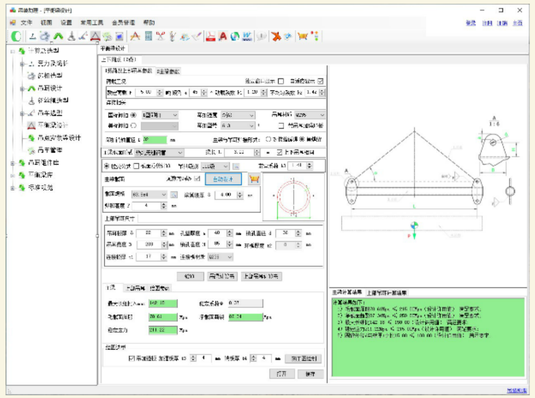
地基承载力报告



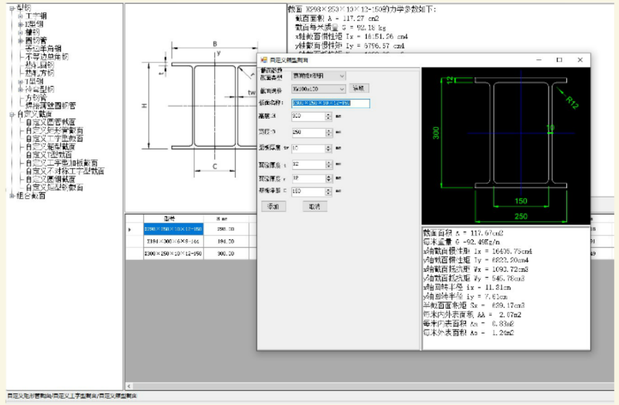
吊装平面图绘制

平衡梁设计

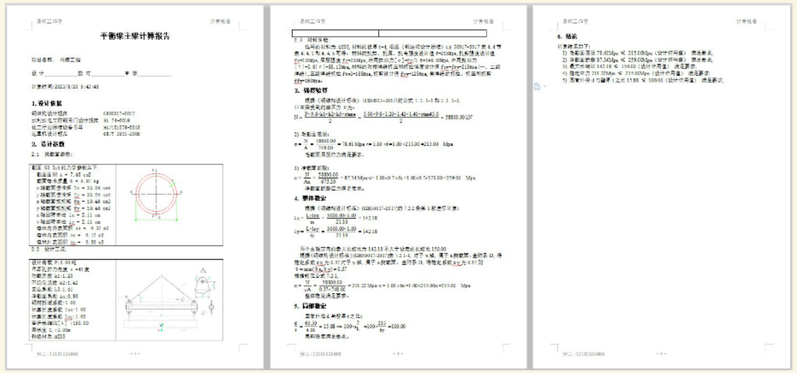
实现上下同点的平衡梁设计，包括梁上吊耳设计，能生成详细的计算书和施工图。梁截面可选国标标准截面库，也可自定义截面库。



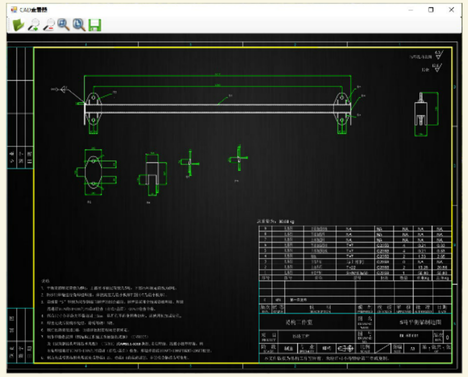
平衡梁设计界面



自定义截面



计算书

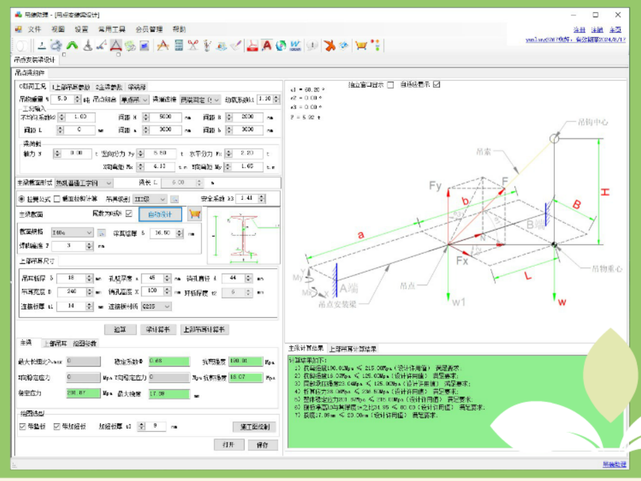


施工图

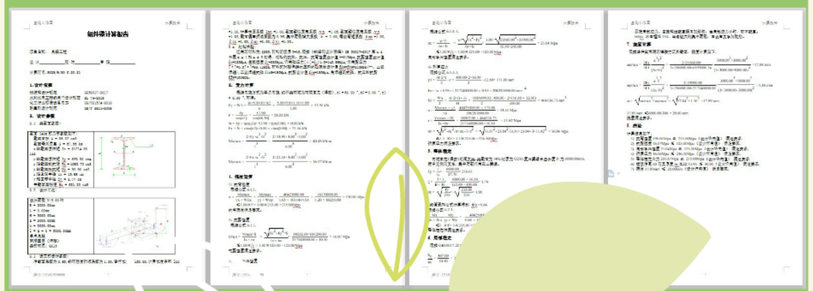
吊点安装梁设计

根据吊点组合，梁端连接方式，进行吊点安装梁设计。根据梁受力方式，自动按压杆，受弯，拉压弯构件核算。

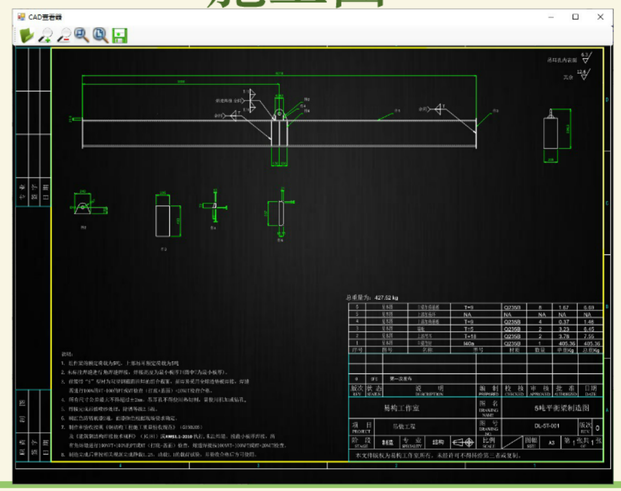
平衡梁设计界面



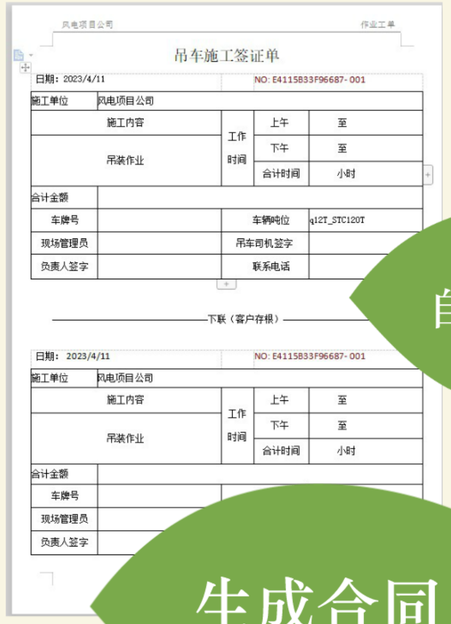
计算书

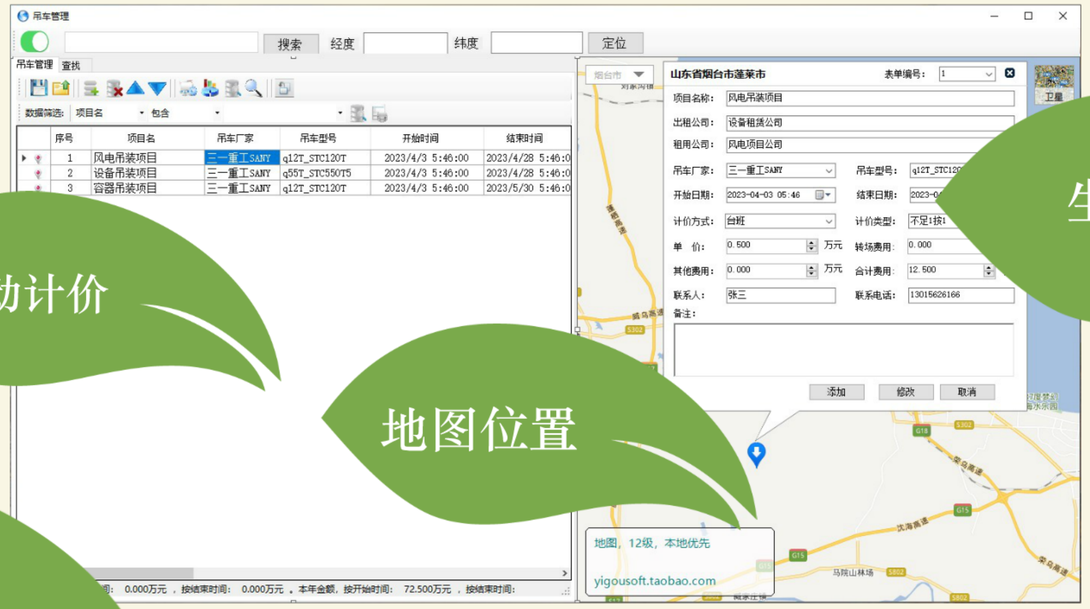


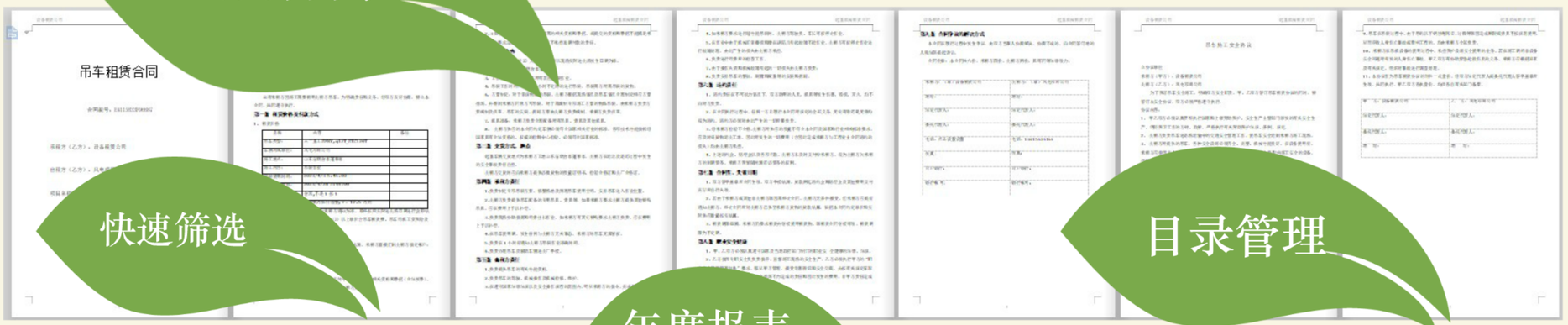
施工图



吊车管理







自动计价

地图位置

生成工单

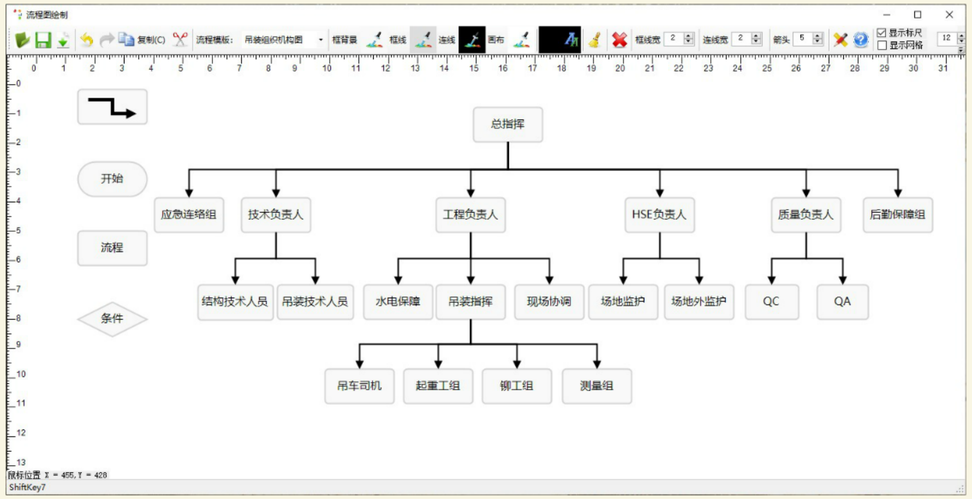
生成合同

快速筛选

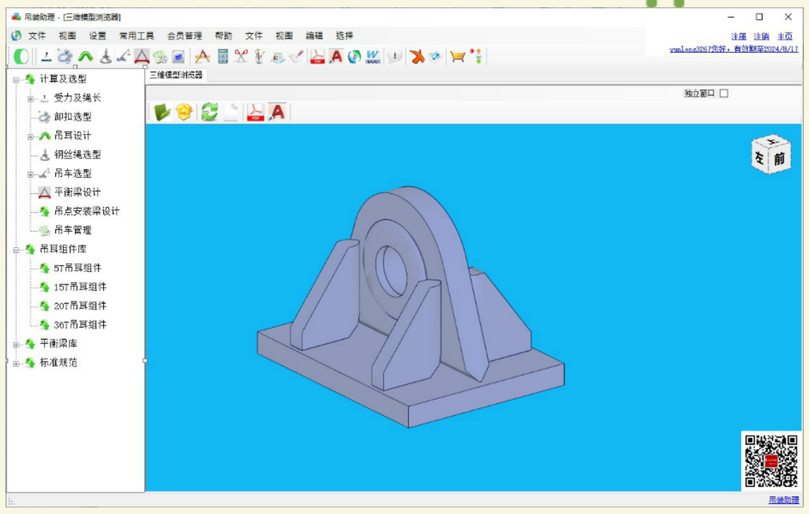
目录管理

年度报表

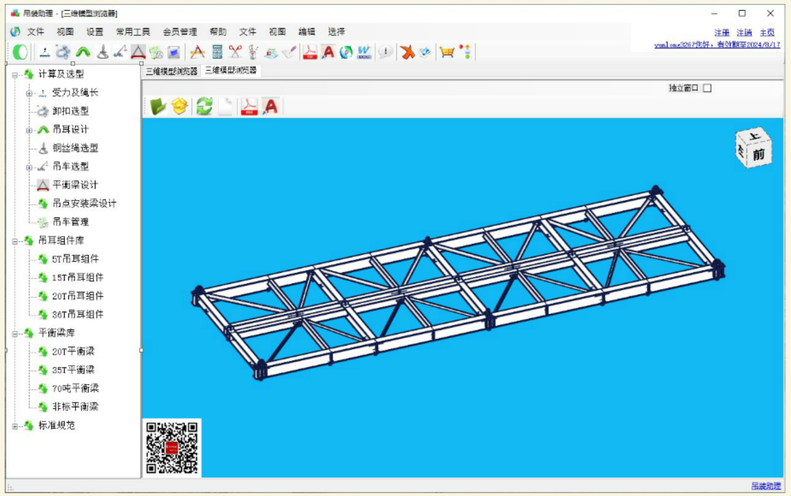
其他功能



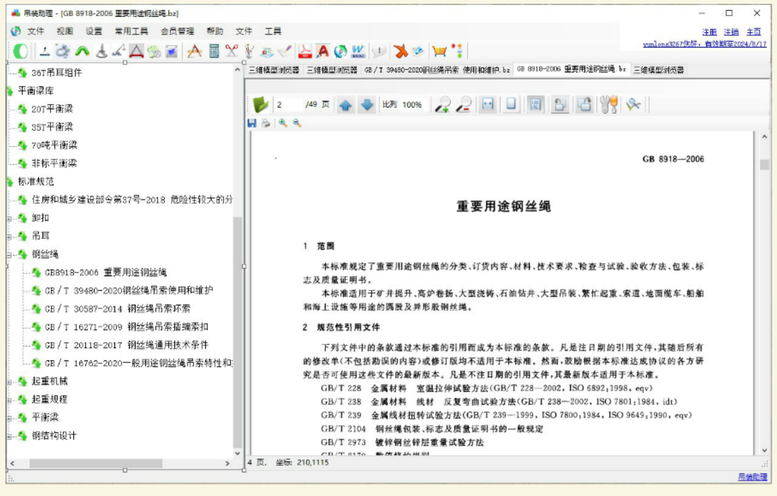
流程图绘制



吊耳组件库



平衡梁组件库



吊装规范集

Thank You!

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