

# MILLING AND PROCESS



## CARRS FLOUR MILLS SHIP INTAKE & STORAGE SYSTEM

Located on the waterfront in the harbour area of Kirkcaldy the Fife town is the home for a large flour milling operation, formally Hutchisons which with recent investment has seen a high capacity ship intake and storage facility designed and constructed by T H WHITE Projects.

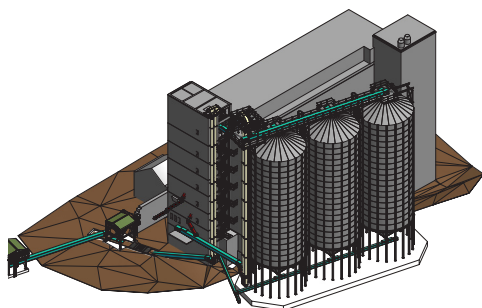


**T H WHITE**  
PROJECTS



# CARRS FLOUR MILLS

**Completion of intake & storage facility significantly improves the operational on site capabilities...**



## CARR'S FLOUR

### PROJECTS CAPABILITIES

To develop a technical and commercially acceptable system solution T H WHITE Projects have been able to utilise available resource from their vast depth of knowledge and experience indicated in the capability schedule.

- Land survey & study
- Conceptual phased approach
- Planning assistance / consultation
- Principal designer / contractor
- Design & build contract
- Detailed engineering solutions
- Procurement / fabrications
- Project management / documentation
- System automation & controls
- Mechanical & electrical installation
- Commissioning & handover
- After sales service & support

### T H WHITE Installation Ltd

Nursted Road, Devizes,  
Wiltshire SN10 3EA.  
T 01380 723040  
F 01380 725707  
E [projects@thwhite.co.uk](mailto:projects@thwhite.co.uk)  
[www.thwhite.co.uk](http://www.thwhite.co.uk)



### QUALITY FLOUR FROM SOLUTION

With the 2016 acquisition of the three UK based Carrs Flour Mills by Whitworth Bros Ltd the previously designed and installed ship intake ,storage and processing system undertaken by T H WHITE Projects had been fully completed and utilised on a day to day basis from the quayside in Kirkcaldy Harbour which is owned by Forth Ports PLC who had also been involved in the dredging of the waterfront allowing the coastal vessels to berth and be unloaded into the new storage facility.

### GRAIN INTAKE AND STORAGE SYSTEM

#### Ship Intake System

- 2 x receiving hoppers
- Fixed structures/grids
- Weatherproof design
- Feed via mobile grab

#### Handling Equipment

- High capacity intake
- Slow speed operation

#### Additional Silo Storage

- Capacity 3000t
- 3 x 1000t silos
- Hopper discharge
- 45 degree cone
- Level probes
- Overhead catwalk
- Connection to mill

#### Processing to Mill

- Rotary cleaner
- Weigh bulk scale

#### Automation

- MCC/SCADA
- Automated/integrated



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from machinery,  
land and buildings  
since 1832.**

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