

# <u>Kirby – Key Information and Data</u>



Kirby provides world class engineering and construction services to the mission critical, process industrial and clean-tech market sectors

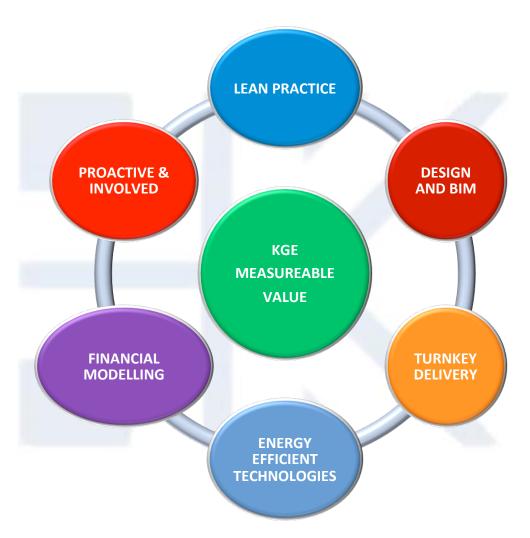
### **Key Information**

- Private Company / 5 Owners / Established 50 years
- Strong Financial Track Record € 120m turnover and € 13m net assets
- Key Services : Mechanical, Electrical and Data
- 600 employees
- Offices in UK(3#), Ireland(3#) and Belgium(1#)



# <u>Kirby Group – Key Differentiators</u>







# Kirby – The 'LEAN' Effect

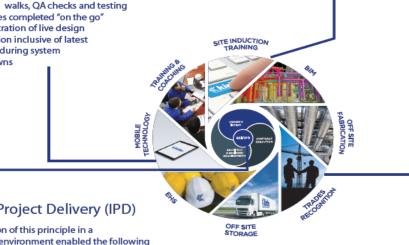


#### Mobile Technology

- The use of tablets in the field had the following primary benefits:
  - Indirect cost saving of 8%
  - Direct cost saving of 16%
  - Teams can red line drawings and save directly to the cloud
  - SMWBA walks, QA checks and testing certificates completed "on the go"
  - Demonstration of live design information inclusive of latest changes during system walk-downs

## **Site Induction Training**

- Primary benefits of these changes:
  - 8 hours saved for 400+ inductions
  - Saving to trainers time
  - Electronic scheduling and tracking of training records



#### Integrated Project Delivery (IPD)

- · The application of this principle in a collaborative environment enabled the following primary achievements:
  - Identification and resolution of constructability issues (through the integration of design and construction teams) prior to any impact on productivity during the construction phase
  - Substantial saving through reduction in original scope of work by 17%
  - Development, adoption and implementation of a schedule driven productivity dashboard
- Other benefits of IPD principles application:
  - Submittal and approval of alternative materials and suppliers
  - Clear definition of constructability scope
  - Reduction in quantity of RFI's during the construction phase
  - Reuse of existing systems parts and avoidance of unnecessary de-install

#### **Trades Recognition**

Primary benefits of these schemes:

- 930,000+ incident and injury free man hours.
- Achieved all SL1/SL2 and project milestone dates.
- Lowest SOR rate.



### **Case Study – Energy Efficiency Technologies**



- a) Kirby lead technology partner with client :
  - identified technology, undertook feasibility studies, secured finance
- b) Kirby as lead Design, Build and Commissioning partner with client :



### **Technology and Environment**

Design, Installation and Commissioning of 3 # Dry Coolers

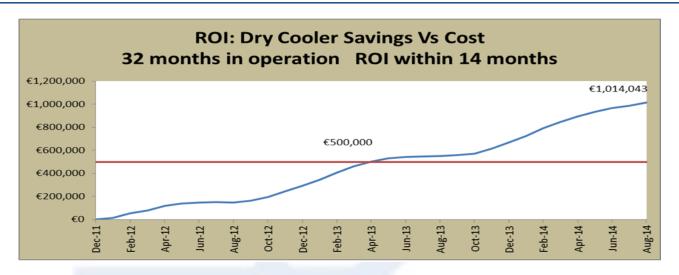
Partial Free Cooling up to 16C Full Free Cooling @ 8C and lower

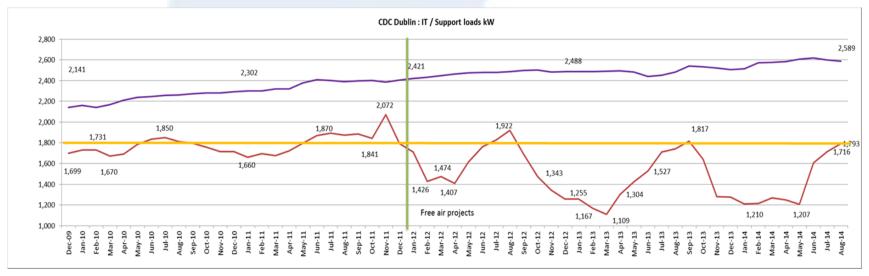
1,723,996KWh reduction 918,000Kgs of C02 reduction



### **Case Study – Energy Efficiency: The Results**







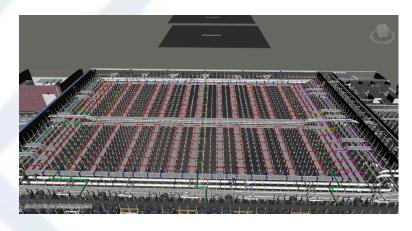


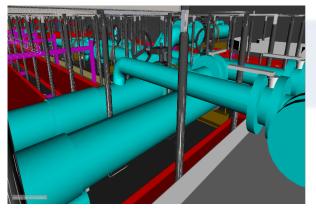
# Case Study – 3D modelling of new build DC

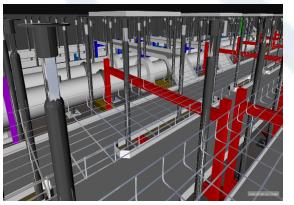


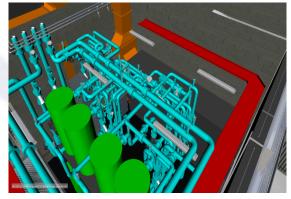
**Project Scope :** Retrofit of existing warehouse building to accommodate 12MW Tier III designed Data Centre













## <u>Kirby – Contact for Information</u>



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