



**FCE/Roadex Seminar.**  
**24th June 2010**  
**David S Leslie**  
**James Jones and Sons**

# James Jones and Sons



**James Jones  
& SONS LIMITED**  
TIMBER SYSTEMS DIVISION

**Engineered  
Wood Products**

United Box

- Partner in wood product manufacturing business



**James Jones  
& SONS LIMITED**

**Sawmilling**



**James Jones  
& SONS LIMITED**

**Harvesting  
Haulage**



**James Jones  
& SONS LIMITED**



- Pallet Manufacture and repair business

Stella-JoneS

- Joint Venture in lumber business : Canada/USA
- Investments in telecoms business : Italy

# Locations



**James Jones  
& SONS LIMITED**



**Forres**

**Mosstodloch**

**Lockerbie**

**Kinnoir**

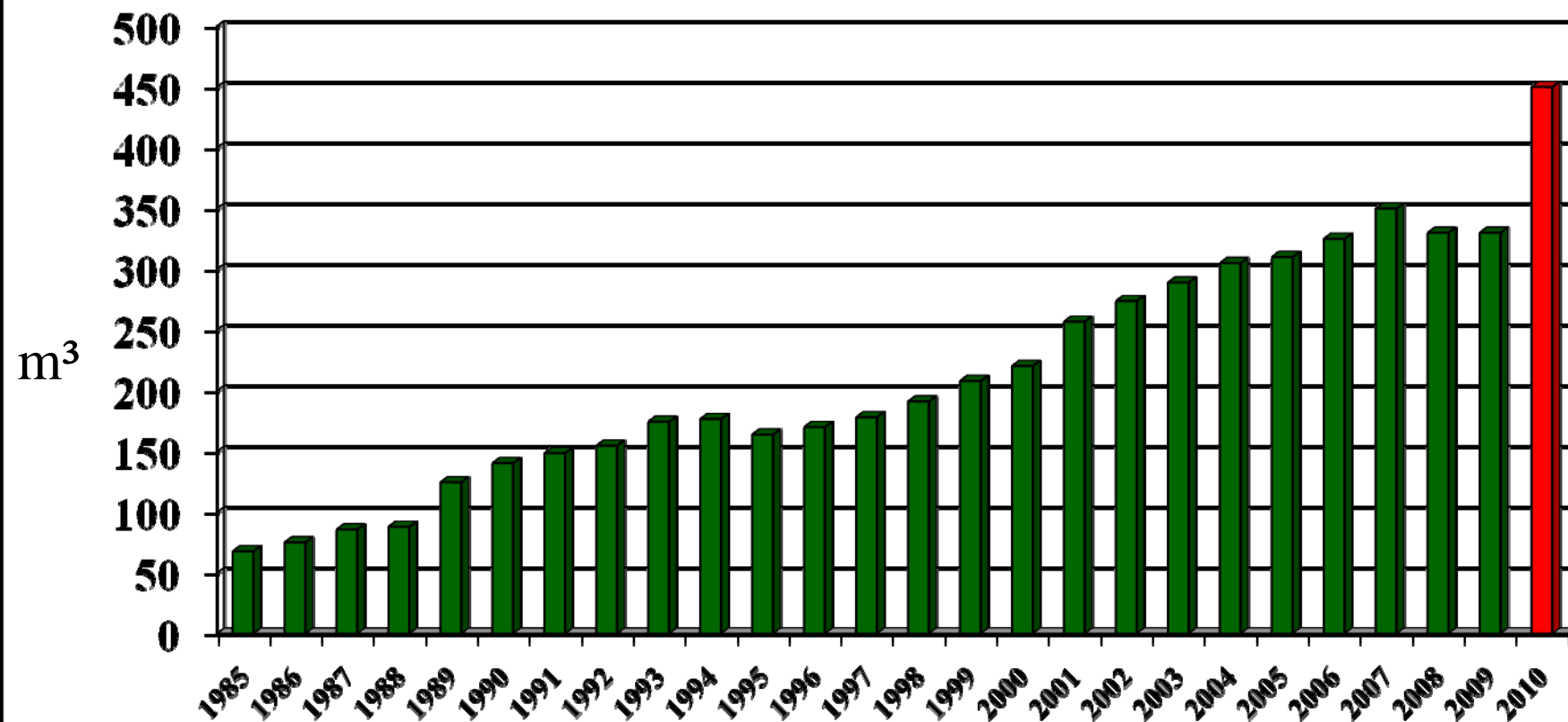
**Dumfries**

**Aboyne**

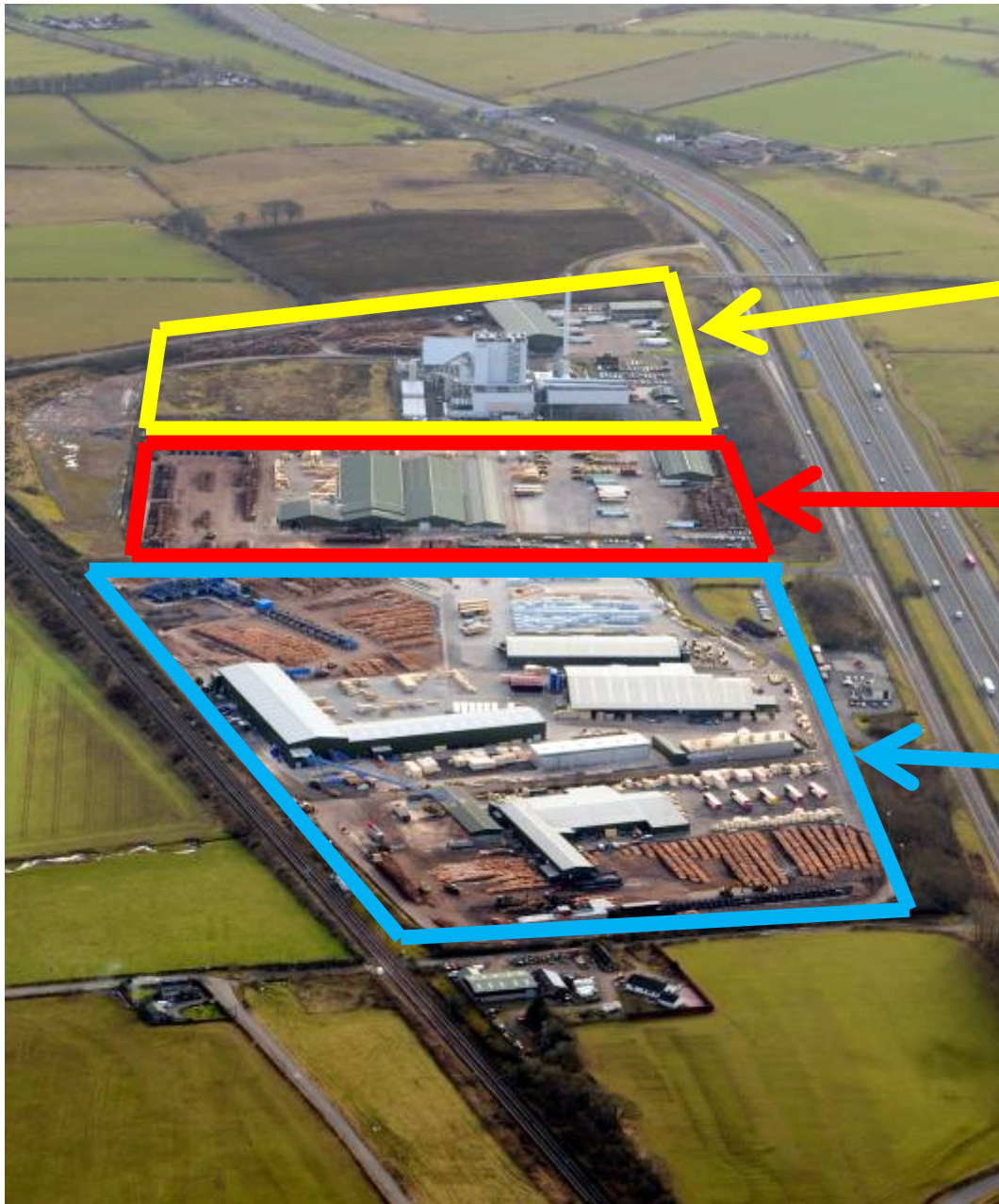
**Unit Pallets**

**Kirriemuir**

# Total Sawmill Production (m<sup>3</sup>)



# Stevens Croft, Lockerbie



E.On Biomass Power Station

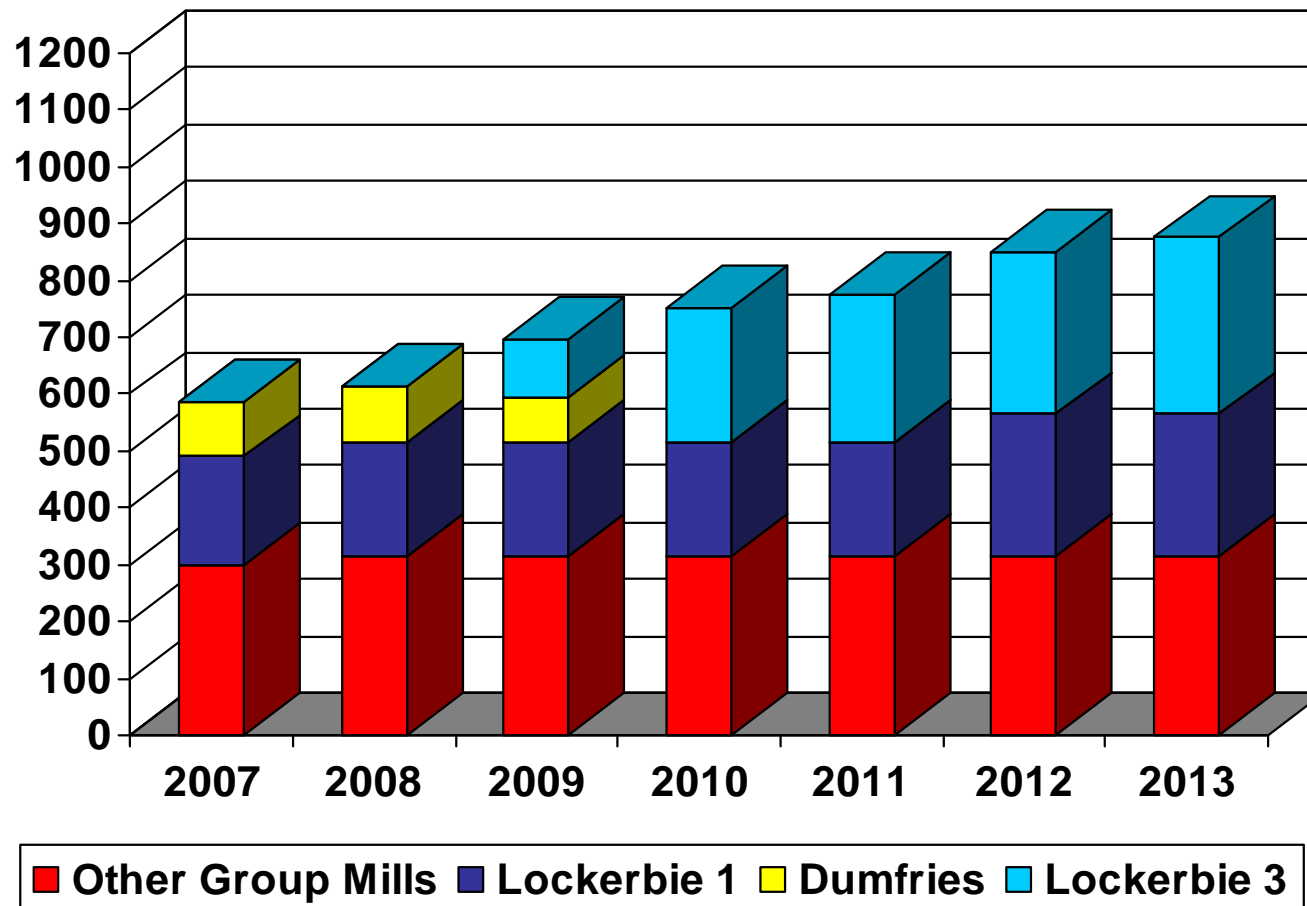
Forest Garden PLC

James Jones & Sons Ltd

# Lockerbie Site



## JJSL Group Roundwood Demand South Scotland increase to 2013



# Haulage : The James Jones Story



# 1850s : Horses



# 1900s : Traction Engines.



# 1910 : Model T and rail transport



# 1920s : Strapped loads!



# 1930s : Early “run-flats”



# 1940s : Military conversions



# 1950s : Matadors & Militants



# 1960s – Leyland “Hippo”



# 1972 Dodge : First load to Cowie!



# The Larbert Workshop.



# 1980s & 90s : Fodens



# 2009 : Maxi Tyres and TPC



# Drivers and Contractors



# JJ Haulage Volumes 2010.



**Roundwood  
1,000,000 m<sup>3</sup>**



**Sawn Wood  
450,000 m<sup>3</sup>**



**Co-Products  
350,000 m<sup>3</sup>**



# Our TPC Story



# Kinbrace 2003



- FE LTC Opportunity
- Syre Forest to Kinbrace Railhead
- 15,000 tonnes/annum
- SRW to Dalcross
- Logs/Pallet to Mosstodloch
- Agreement with EWS
- 2 Year working period
- Significant issues !!!!



# The First TPC Kit



- Research into TPC Systems 2006
- Sandy Hogg visits to Canada/Portugal
- Preference to Tireboss system
- Fitted to Gordon Mackenzie's Lorry
- Installed by Jimmy Munro : Rafford
- Initial support from FE : Frank McCulloch
- Initial involvement in Roadex project
- Perco Station monitoring.



# TPC Research and Development



- Further funding investigations
- Funding JV with Badenoch and Strathspey Enterprise
- 2 More TPC kits fitted (double drive & tag)
- Further monitoring and testing
- Preparation of TPC report by Jonathan Ritchie
- Ongoing development within “Roadex” programme
- Roll-out of CTI strategy



## TYRE PRESSURE CONTROL

An investigation into how reducing tyre pressures could increase efficiency and effectiveness of timber haulage



Jonathan Ritchie  
Harvesting & Transport Manager

# Michelin and Maxi Tyres



- Joint discussion with FE, HRC, JJ, Michelin
- Proposal for Maxi tyre trial 2007
- First TPC Maxi December 2007
- Further trials/monitoring
- 2008 : Second vehicle fitted with Maxi tyres
- 3 Further Maxi tyre units factory fitted.
- Encouraging results to date
- Ongoing development with Michelin/Tireboss



# TPC Benefits overall : Our findings



- Overall cost savings to the user
- Increased tyre life – wear and tear (including “puncture” breakdowns)
- Increased vehicle traction and increased “footprint”
- Fuel savings through tyre pressures and vehicle specification
- Reduced wear and tear through vibration (vehicles and drivers!)
- Allows access to restricted roads
- Facilitates haulage management

- **Reduces road repair bills for Councils and Estates/Woodland owners**
- **Increased “co-operation” with Councils/Estates/Growers**
- **Can reduce required “spec” of roads (running surface, gradients, thaw)**
- **Significant safety benefits relating to the above**
- **PR – Both for James Jones and the timber industry as a whole**
- **Roll out benefits across the industry : Timber availability/Work for contractors**
- **Carbon reduction through savings overall**

# Future developments



- Further R&D through Wood Wisdom Programme
- Expansion of CTI capability to contractors countrywide
- Further development with Michelin, Tireboss and others
- Expansion of “Cooperative” haulage operations
- Development of Intermodel haulage systems.



# Awards and Rewards



Jonathan Ritchie receiving the 2010 Scottish Environmental Haulier of the Year Award from Transport News.

- TPC innovation and development
- Maxi tyre roll-out and development
- JIST haulage development
- Low impact haulage systems
- ISO14001 Continuous improvement



## James Jones & Sons Ltd + timber sustainability



The importance of ensuring all timbers are derived from sustainable sources is a crucial part of our Environmental Policy. In recognition of our stated commitment to ensuring verifiable sustainable forest management, James Jones & Sons Ltd have been awarded the FSC TRADA - Tree Chain of Custody Standard for all mill and Jii-Jiost operations. Jii-Jiost also source timbers from PEFC Certified forests and have been awarded the SM TRADA PEFC Chain of Custody Standard.



## James Jones & Sons Ltd + environmental management

To ensure legally and continuous environmental improvement of all harvesting and processing operations, James Jones & Sons Ltd utilise the International Environmental Standard ISO 14001.

Awarded as a UK first incorporating Harvesting, Mill and Jii-Jiost Operations, accreditation will enable sector leading environmental best practice to be set alongside technical innovations to improve performance year on year.

## James Jones & Sons Ltd + carbon footprint advantage life cycle assessment

Rather than rely simply on the comparative benefits of utilising sustainable timbers, James Jones & Sons Ltd continue to develop their established carbon model to ensure that improvements in energy use, including transport and kiln drying, are targeted and quantifiable.

Please note further information is available upon request from [sales@jamesjones.co.uk](mailto:sales@jamesjones.co.uk)





Thank you.

