

**Street Address:**  
4524 Ogeechee Road  
Savannah, GA 31405-1208  
Phone: 912-236-9333



**Mailing Address:**  
P.O. Box 7090  
Savannah, GA 31418-7090  
Fax: 912-236-1925

## ***MacAljon Engineering LLC***

### ***Brief of Qualifications and Experience***

#### **Company Services Statement:**

MacAljon Engineering LLC (MELLC) is a design engineering firm specializing in engineering and project management for heavy and light manufacturing, and other industries. Our principles, employees and associates have many years of experience in nearly all aspects and disciplines of these industries required to support the needs of our client base. The principles of the firm have built a reputation for providing quality services for these industries, to supplement our client's capabilities and to provide services needed to implement their construction needs for projects. MELLC can offer stand alone engineering, design and management services, or can team with the other companies in the MacAljon Group to offer turnkey design-build services to implement the constructed project with single source responsibility. Our construction and project management experience adds to this capability and we take great pride in our work.

#### **Company Principles:**

Chris Rowland, General Manager MacAljon Group companies  
Thomas N. Wolfe, P.E., Civil/Structural Engineering  
Jim Nutt, P.E., Mechanical Engineering

#### **Industries Served:**

Chemical Manufacturing	Primary Metals Industries
Pulp and Paper	Compressed Gases Industries
Construction Materials Manufacturing	Energy Related Industries
Terminal Storage	Food and Cosmetics Industries
Light Manufacturing	Mineral Industries

#### **Mission Statement:**

MacAljon Engineering LLC is committed to provide maximum value services to our clients by establishing a continuous relationship, and by supplying a diverse range of disciplines and experience to help solve problems, and to deliver quality projects that are economically sound and on time.

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**General Services Provided:**

Feasibility Studies and Preliminary Engineering  
P&ID Development (Aid with Customer Development  
Permitting Assistance  
Cost Estimation and Scheduling  
Design Engineering Services  
3-D Modeling  
Project Management Services  
Start Up and Check Out Assistance  
Turnkey Design-Build Services (together with MacAljon Group companies)

**Engineering Licenses:**

Civil/Structural - Georgia, Florida, South Carolina, North Carolina,  
Mechanical - Georgia, Florida, South Carolina, Delaware

**Engineering Software:**

AutoCAD  
Crane – Pipe Stress Analysis Software  
Caesar – Pipe Stress Analysis Software  
CEI – Advanced Pressure Vessel Design Software  
Compress Pressure Vessel Design Software  
Autodesk Inventor & Revit  
Staad PRO – Structural Finite Elements Software  
RISA – Structural Design Software  
Microsoft Word, Excel, Project, Powerpoint

**Engineering Staff:**

Licensed Civil/Structural Engineers – 4  
Licensed Mechanical Engineers – 4

**Professional Memberships:**

American Society of Civil Engineers  
American Society of Mechanical Engineers  
National Council of Examiners for Engineers and Surveyors  
Technical Association of the Pulp and Paper Industry

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**Disciplines Offered:**

Civil -

land development for industrial  
stormwater runoff and paving design  
railroad design

Structural -

structural analysis  
steel, concrete, masonry, wood design  
cable structures/fall protection  
crane and monorail structures  
vibration control  
cable structures/fall protection

Foundations -

piling design  
sheet pile and retaining walls  
shallow foundations  
earthwork and grade structures

Hydraulics -

pipng loss calculation (liquid)  
pipng systems design  
compressible gas and steam flow.  
weirs, orifices and flumes.  
sizing of pumps and hydraulic machines.

Vessels -

API 650/620 tanks.  
ASME tanks and vessels  
FRP Tanks and vessels  
expertise with special tanks and  
metallurgies.

Mechanical -

hydraulics analysis & pipng design  
ducting and plenum design  
pipng/vessel stress analysis  
heat transfer.  
pneumatic conveying and dust control  
machine design  
conveyor/elevator design  
boilers.  
industrial ventilation

**Rate Sheet:**

available upon request.

**Resumes:** (available upon request)

Steven M. Hunt, P.E., Mechanical Engineer  
Thomas N. Wolfe, P.E., Civil/Structural Engineer  
Tony Ku, P.E., Civil/Structural Engineer  
Micky Tate, P.E., Mechanical Engineer

Andrew Fiser, P.E., Structural Engineer  
Jim Nutt, P.E., Mechanical Engineer  
Keith Kachelhofer, P.E., Mech Engineer  
Micah Baldwin, P.E., Structural Engineer