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**CONTACT**

For more details please visit  
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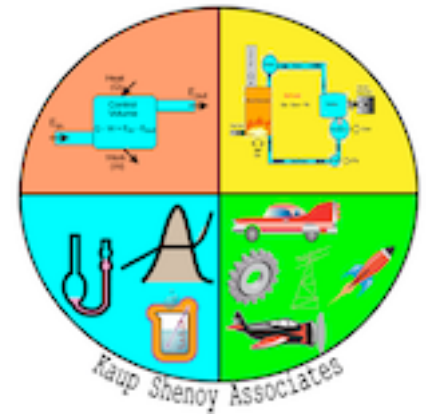
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**Thank You For Your Business**

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**PRODUCT DEVELOPMENT  
AND  
SYSTEMS ENGINEERING**



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## ENGINEERING PROJECTS

- Fluid flow system design involving heat transfer.
- Energy Efficiency.
- Airflow, combustion modeling and analysis.
- System Effectiveness and Reliability Analysis.
- Product design, component reliability and life testing.
- Total Productive Maintenance (TPM).
- Maintenance & reliability Information System (MIS).
- Development of Engineering Analysis Tools.

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## ANALYSIS TOOLS DEPLOYED

- App store publications.
  1. Thermo-physical prop
  2. Fluid Delta-P
  3. Orifice Q
  4. CP-spec
  5. Boiler Fuel Efficiency
  6. Heat-X
  7. Compressor Capacity
  8. Fan-spec
  9. Engineering Unit Conversion
  10. Energy cycles
  11. Energy Efficiency Suite
  12. Car Performance
  13. RC456Mason (RCC Structure Analysis)

- Apps available in iTunes, Google play, BlackBerry world, Windows phone store and Amazon for their respective devices.
- Flow joule 3.1 Windows PC (32 bit) program available on our website.

### Highlights:

- Provide reference guide to property tables (Steam, Air, Liquids and Gases).
- Analyze different energy cycles (Rankine, HVAC, CHP, Recovery).
- Analyze fuel combustion process and stoichiometry and generate heat balance sheet with flue gas analysis.
- Evaluate energy losses in different fluid circuits including piping networks.
- Determine various component level design specifications and efficiencies.
- Determine overall cycle performance and efficiency in energy cycles.

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## SEMINAR & WORKSHOP

In house seminars and workshops can be organized in the following areas. Duration and content can be tailored for a specific industry application.

1. A three half-day workshop on "Modeling and Analysis of Energy Systems" covering in-company case studies. A 30-day free trial version of the program will be installed in participant's computer for the workshop or Smart Phone Apps on individual devices. (Please download program brochure from our website.)
2. Integrated liquor and vapor cycle analysis in pulp industry. (Please download program brochure from our website.)
3. A detailed course on "Energy Cycles and Efficiency" for academia. We can also arrange B2B smart phone apps to any given device at bulk-discounted rate. (Please download program brochure from our website.)