

# Integrated Flare System Services

Inprocess and Softbits Consultants have combined their flare system and process modelling expertise to offer you a wide range of services for any flare system challenge

- ▶ **Analysis of Relief Load Generation**
  - Depressurisation or emergency scenarios of vessels, pipelines or complete units
  - PSV Sizing to API Standard (including 2 phase)
  - Relief load calculation using Steady State or Dynamic Modelling
- ▶ **Flare Header Hydraulics**
  - Evaluation and Validation of existing flare systems to handle plant expansions
  - Identifying potential bottlenecks in the system and providing solutions
  - Steady State & Dynamic Flare System Modelling
  - Dynamic Header Temperature Analysis
  - Knock-Out Drum Sizing
- ▶ **Flare Radiation Analysis with FlareSim™**
  - Multiple Flares on Multiple Stacks
  - Effects of Shielding using water curtains or physical barriers
  - Sterile Area Definition
  - Dynamic Radiation and Temperature Predictions



Simulation to Business. Knowledge to Profit.



**inprocess** Technology and Consulting Group, S.L.

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Press Release (26 January 2011):

# Integrated Flare System Analysis

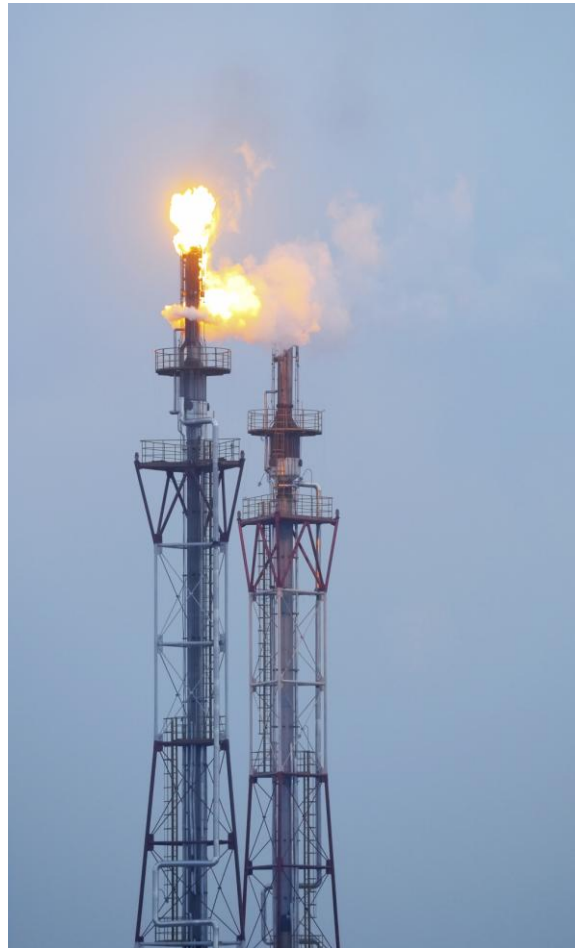
**Inprocess Technology and Consulting Group** based in Barcelona, Spain and **Softbits Consultants** based in the UK have combined their extensive Flare System Design and Process Modelling expertise to offer a wide range of Flare design and evaluation services to the process industry.

Flare and Relief Systems in the Oil and Gas industry are constantly under examination, either when new plants are built, existing plants are revamped or expanded or when new regulations have to be applied to an existing system. Very often a dynamic understanding and analysis of the flare system or relief sources are required to evaluate potential bottlenecks in the system and prove the viability or enhance the cost effectiveness of potential projects.

**Inprocess** and **Softbits Consultants** new cooperation addresses these issues. Services offered include detailed steady state or dynamic relief load analysis for blowdown or emergency situations, full Flare and Relief Header hydraulic analysis and single or two phase flow PSV verification. Additional services can also be provided to evaluate flare radiation and temperature predictions.

**Inprocess** is a process simulation knowledge provider with experience and a proven track record of assisting clients to exploit process simulation technology to the maximum. Providing innovative solutions to operational problems, dynamic simulation studies to confirm a safe design, or a tailored training programme to maximise your process simulation capability, **Inprocess** delivers.

**Softbits Consultants Ltd** is well known for the industry standard flare radiation software **FlareSim™** together with over 25 years background in flare system consultancy, software development and training with AspenTech Flarenet.



For more information please contact [info@inprocessgroup.com](mailto:info@inprocessgroup.com) [www.inprocessgroup.com](http://www.inprocessgroup.com)

## Integrated Flare System Workshop – Registration Form

Inprocess and Softbits are pleased to invite you to our **Integrated Flare System Workshop** that we have planned for Thursday 29<sup>th</sup> of September 2011 in Rome. The workshop intends to provide a showplace for the current best practice in (re-)designing and operating flare systems in the process industry. The attendance to this workshop is free of charge.

*Registering for the workshop is easy, just fill in the details below and fax or email to:*

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Once we have received your registration details, you will receive a confirmation email as are registered for the workshop<sup>1</sup>.

Name		Position	
Company		Telephone	
Email Address			
What flare related subjects are you mostly interested in?			
What flare related subjects are you currently working on (if any)			
Which flare simulation software do you know / have you used in the past			

I am looking forward to meeting you in Rome.

Best Regards,

JoseMaria Ferrer

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<sup>1</sup> Inprocess and Softbits reserve all the rights to changes in workshop content and schedule, as well as cancellation of the workshop up until two weeks prior to the workshop.