



LIPTENTM
ENERGY SOLUTIONS

*the LIPTEN*TM *advantage*

Fourth Quarter, 2013 Newsletter

HISTORIC QUOTES:

"By working faithfully eight hours a day you may eventually get to be boss and work twelve hours a day. "

-Robert Frost

"In the business world, the rearview mirror is always clearer than the windshield."

-Warren Buffett

"We make a living by what we get. We make a life by what we give."

-Unknown



The POWER-GEN Conference & Expo covers every aspect of the steam and electrical power generation industry. Event activities include pre-conference workshops, technical tours, over 70 conference sessions, panel discussions, three exhibition days and multiple networking events. Like never before, you'll have access to nearly every facet of the power generation market - all under one roof.

<http://www.power-gen.com>

**Visit the Lipten exhibit at Booth 728.
See you there!**

The logo for 'Steamlin' Hot NEWS' features the words 'Steamlin' Hot' in a stylized, bold font with a yellow and orange flame-like background, and the word 'NEWS' in a white, blocky font below it.

- Just as we predicted, Lipten is seeing a significant interest in converting coal boilers to fire natural gas. We are currently working closely with 18 industrial customers regarding the conversion of 37 boilers.

- Lipten is exhibiting at Power-Gen. Visit us at both 728.

- Lipten was awarded a contract to rebuild and replace industrial power equipment at a New Jersey asphalt facility which devastated by Hurricane Sandy.

- Lipten completed the converting of two 210,000 lbs/hr boilers from coal to natural gas firing.

Dealing With Boiler Steam Load Swings?

Running a boiler from a cold start to full load too quickly can cause premature failure of the boiler due to thermal stress. Here are some tips for dealing with load swings:

- For new water tube boilers design the steam drum larger than typical. For new fire tube boilers design the steam chest larger than usual. This will allow the boiler to act as a steam accumulator without needing a separate steam accumulator pressure vessel.
- Place a stand-by heater in lower section of a standby boiler to allow faster ramp up.
- Use a secondary burner for low turndown and to maintain temperature (Similar to a stand-by heater). Lipten typically employs this strategy in steel mill vacuum arc degasser applications which need a large blast of steam for only a few seconds.
- If the plant knows when they will need increased load the boilers can be staged so that they are up to temperature when needed.
- Boilers are most efficient when operating near their maximum design rating. Consider splitting the load between two or more boilers. For example, if your maximum boiler load is 150,000 lbs/hr but can consistently be half or less, consider using two 75,000 lbs/hr boilers. Then the second boiler can be brought online for the high demand periods when needed.



DILBERT © (2002) Scott Adams. Used by permission of UNIVERSAL UCLICK. All rights reserved.

Lipten Spotlight On ... Jon Eccles Lipten Designer



Jon is an accomplished designer with a solid background in design, layout and detail. He has a consistent track record of anticipating the consequences of new designs, initiating solutions and completing projects to specification on the first attempt. Jon is detail driven with outstanding communication skills and proven success interfacing with both customers and co-workers. Jon's coworkers often praise his ability to draft precise 3D models that are instrumental in perfecting the design. Lipten is very pleased to have Jon and his expertise on the Lipten team.

Please [Click Here](#) to view newsletters and more on the LIPTEN website.

Lipten is an Engineering, Procurement and Construction (EPC) firm that specializes in Central Energy Plant (CEP) design and construction. Lipten also has a controls group that provides standard and custom control solutions.

Lipten provides steam generation, power generation, chilled water systems, compressed air systems, water treatment systems, controls and related Energy Center equipment and services. Lipten's level of support can vary from an advisory role to complete turn-key facility construction. Services include: design, engineering, drafting (CAD), equipment specifications, procurement, installation, construction management, site audits, start-up, operator training and maintenance.



View our videos on  YouTube

Linked 