



## Benefits of Modernization of the Power Boilers at Amoco Chemical

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1.

- Location : The Amoco Decatur site (chemical plant)
- Capacity : 4 Boilers (200,000 lbs/hr \* 3, 230,000 lbs/hr \* 1)
- Fuel : 가 ( 가 가 Oil )
- Output : 450,000 lbs/hr ( )
- Requirement :

2.

Relay Logic      DCS      4      Industrial  
Boiler Control (IBC)      Turbo Economic Load Allocation (TELA) solutions

3. Solutions :

(1) Industrial Boiler Control (IBC)

- IBC (Package)
- Loop      ,      (Plant Master)
- IBC (Package)

3

- IBC

가 3% .

- 

Amoco Optimization IBC  
 (Performance Improvement) .

(2) Turbo Economic Load Allocation (TELA)

TELA IBC package Solution .

TELA "Optimization by Parts"  
 ( ) . (Optimization by Parts - 가  
 )

2가 On-Line Solutions . - Local

Solution Global Solution

- Local Solution

Performance ( )

Bias .

- Global Solution

가 , 가 (Manual Mode)

가 .

(3) Industrial Boiler Performance Monitoring (IBPM)

TELA 가 .

IBPM ASME (American Society of  
 Mechanical Engineers) Power Test Codes Input/Output  
 On-Line .

	AMOCO	Solutions	( : BTU)
•	1		
	Solutions	: 1089 BTU	
	Solutions	AMOCO : 1035 BTU (5.31%	, \$77.82 )
	IBC	: 1010 BTU (6.73% Improvement,	\$99.57 )
	TELA	: 987 BTU (3.34% Improvement,	\$47.85 )

**Amoco: Decatur, Alabama - Honeywell Controls and Optimization Benefits Analysis**

