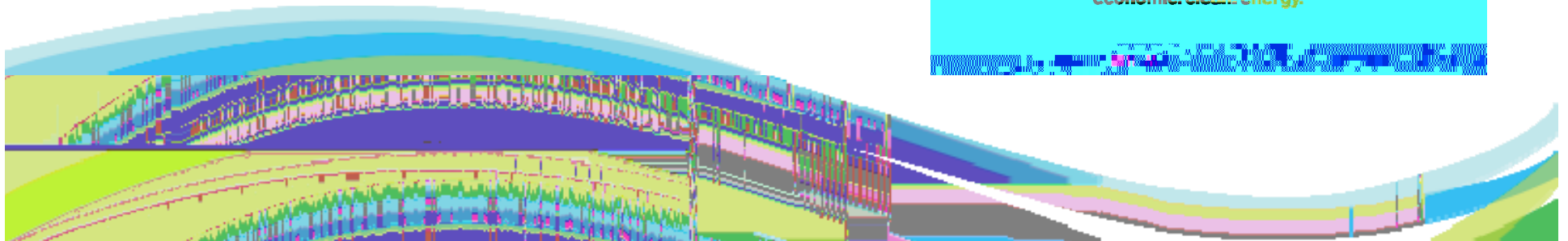
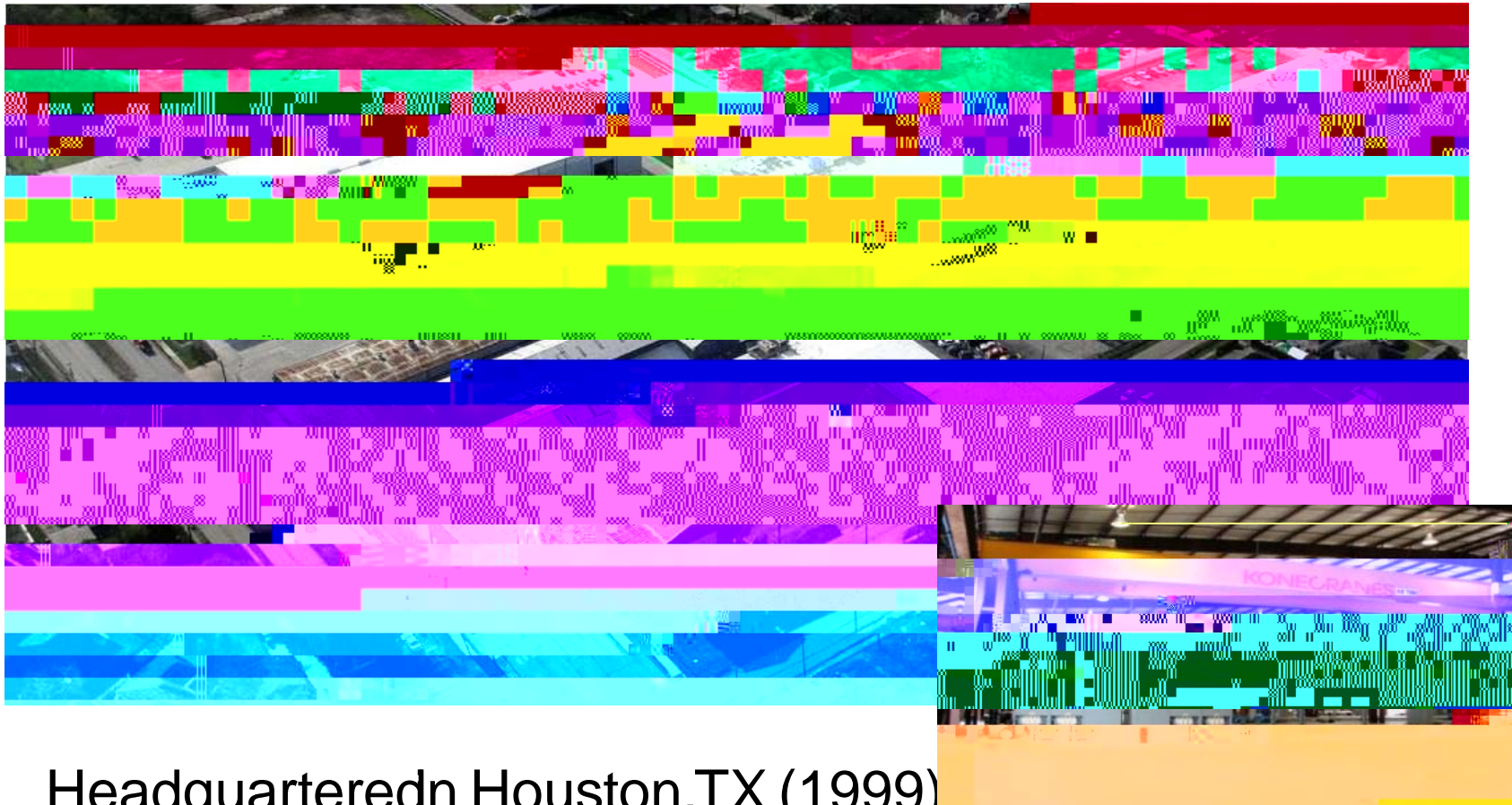


## Associated with Oil & Gas Development

June 14 - 15, 2011 Dallas, Texas



# TASGlobalOperations



Headquartered in Houston, TX (1999)  
Offices in Dubai, Doha, Qatar, SE Asia and Turkey  
~ 300,000 sqft. of manufacturing space  
Capability for 100+ Large Modular Systems per Year

# TASGlobalPresence



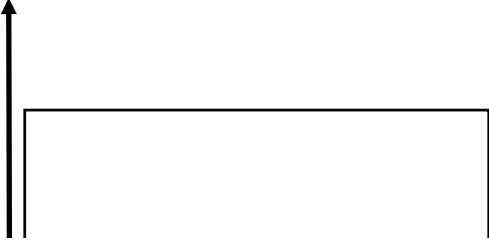
# Relevant ORC Experience

TAS Innovation	Developer	Plant	Nameplate Size Qty	Delivery	Public – Private Partnership



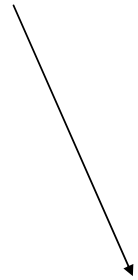
# TASORCCapacityMap

Source  
Temp

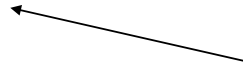
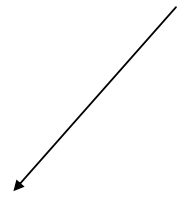


# TAS Turbo Expander Development

Single or Two-Stage  
Turbine Rotor



Shaft/Bearing/Seal  
Subassembly



# Terra Gen- Beowawe Bottom Cycle

58.00.322 Beowawe

PIERS BY OTHERS

PROPERTY OF

GENERAL ARRANGEMENT  
D GEOTHERMAL POWER SYSTEM  
GEN BEOWAVE POWER PROJECT  
BATTLIE MOUNTAIN, NV.

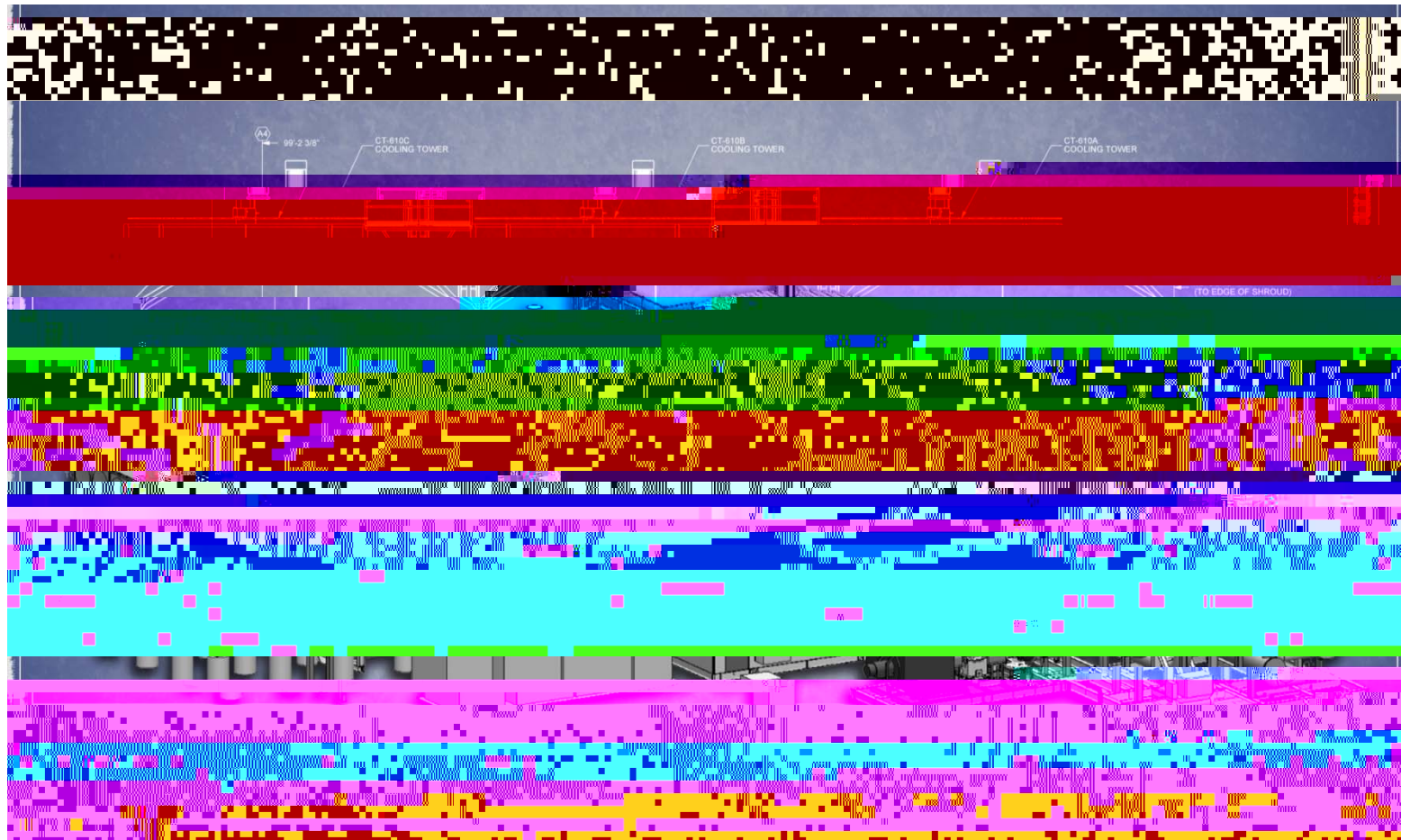
NO.	REVISION	DATE
01	ISSUE FOR BIDDING	04/15/00
02	ISSUE FOR CONSTRUCTION	04/15/00
03	ISSUE FOR OPERATION	04/15/00

PACKAGE

205°F– Subcritical Cycle Nominal 2.5 MW's



# Terra Gen- Beowawe Bottom Cycle



205°F– Subcritical Cycle Nominal 2.5 MW's

Terra Gen\_ Renewables Bottom

Terra Gen - Renewable Energy

# Terra Gen- Beowawe Bottom Cycle



205°F– Subcritical Cycle Nominal 2.5 MW's

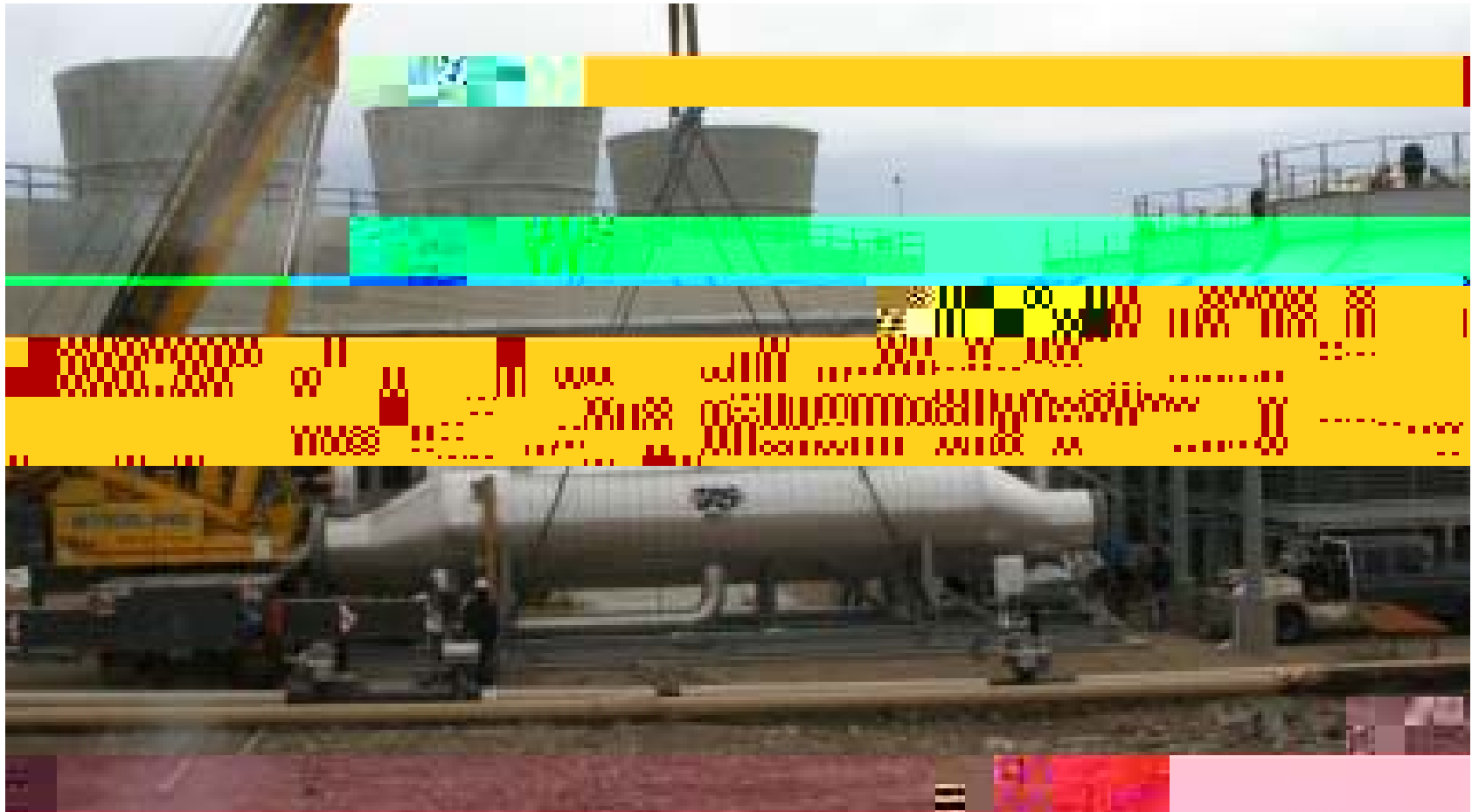
# Terra Gen- Beowawe Bottom Cycle



205°F– Subcritical Cycle Nominal 2.5 MW's

Terra Gen- Beowawe Bottom Cycle

# Terra Gen- Beowawe Bottom Cycle

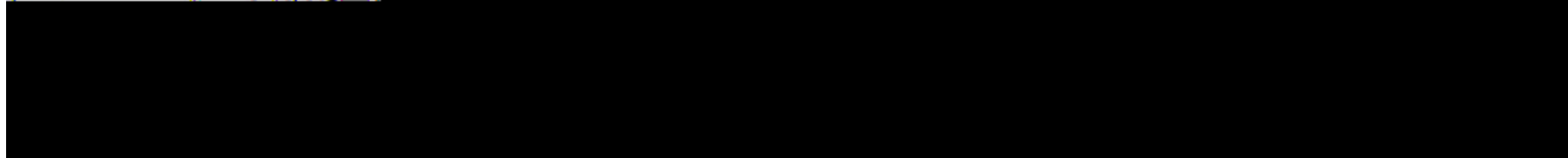
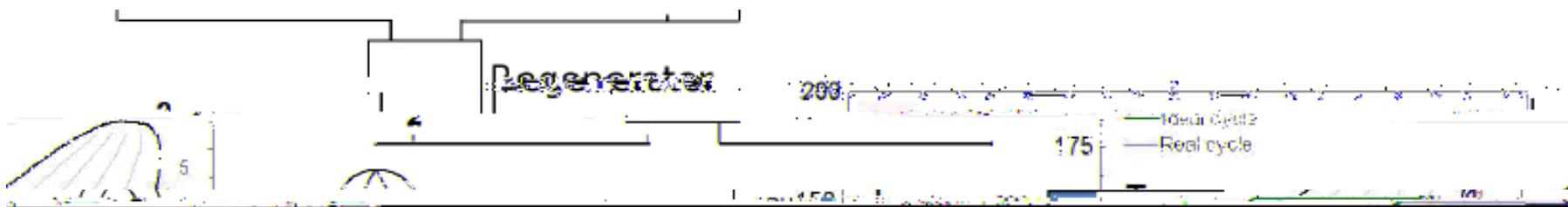
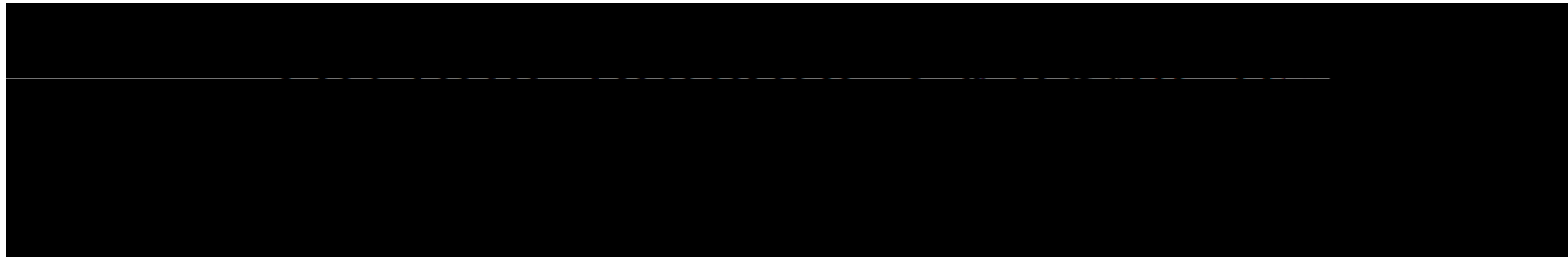


205°F– Subcritical Cycle Nominal 2.5 MW's

# Terra Gen– Dixie Valley Bottom Cycle

225°F– Subcritical Cycle Nominal 6.2 MW's EPC





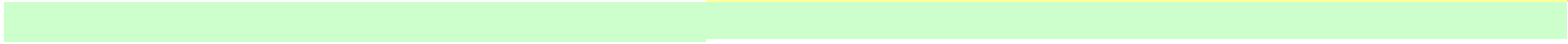
# Key Drivers – Any Development

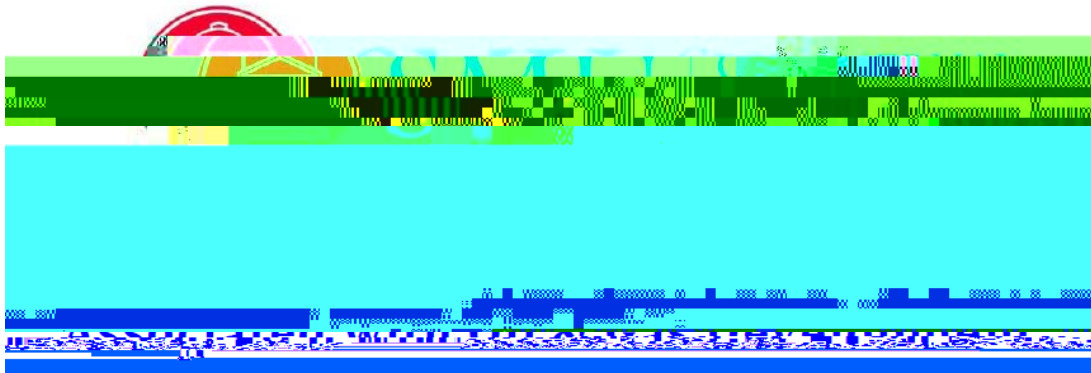
- Normally quantified in NPV, IRR, ROI...
- Does the application make sense...
  1. Wells – land position – control...
  2. Resource temp, flow, quality, validation...
  3. Ambient conditions ..temperatures..
  4. Water make up water?..or Air Cooled...
  5. Off take: PPA– site set off rate...
  6. Costs and financial feasibility?????????
  7. Where does the \$\$ come from?????????



# SimpleOutput

Description	Unit	1 Well	3 Wells	4 Wells	5 Wells	6 Wells	
Heat Source Flow Rate	l/s	80	213	320	400	480	
Heat Source Tin	C	120	120	120	120	120	





# Thank You

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[HDickey@TAS.com](mailto:HDickey@TAS.com)

