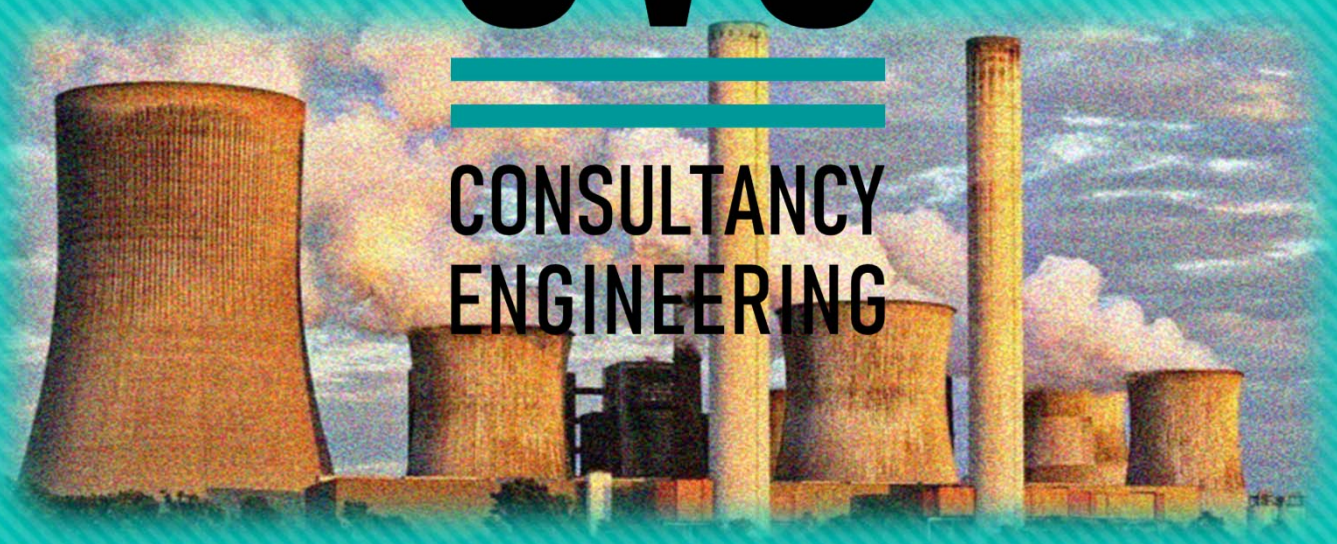
SVS

CONSULTANCY
ENGINEERING



Power Plant References

Engineering is Our Passion

Power Plants

SVS CONSULTANCY ENGINEERING

- SVS Consultancy Engineering has great experience of engineering and consultancy services in Turkey and abroad in the field of Power Plants based on founders experience of 20 years on this subject
- SVS has ability to utilize latest versions of technological design and detailing instruments
- SVS performs necessary engineering and consultancy services in the field of Power Plants such as;
  - Feasibility Study
  - Basic Engineering
  - Layout Study (3D modelling)
  - Detail Engineering
    - Architectural
    - Mechanical
    - Structural
    - Piping
    - Ducting
    - Utility Mechanic
  - Geotechnical Design
  - Infrastructure
  - Material Take of Study
  - Tender Documentation
  - Site Supervision
- The Projects like Kangal Power Plant FGD Project & Tufanbeyli Power Plant, ZETES III 2X700 MW Power Plant, are among the references of SVS

Kangal Power Plant
Magnesium-Based FGD Plant

SVS CONSULTANCY ENGINEERING

Name of Client: SBB Energy (POLAND)

Plant Location: Sivas, TURKEY

SVS's Start Date: June 2019

SVS's Completion Date*: Ongoing (Sept'* 19)

Total Number of Engineering Manhour: 4.500

Scope Description:

SVS's Scope includes Feasibility Study for Magnesium Based FGD Plant

- General Layout Study
  - Plot Plan
  - Demolishment Plant
  - Infrastructure, Roads
- Basic Design for Packing Plant and Material Handling System
- Mechanical Layout for each Units
- Structural, Civil and Architectural Design

Kangal Power Plant
Magnesium-Based FGD Plant

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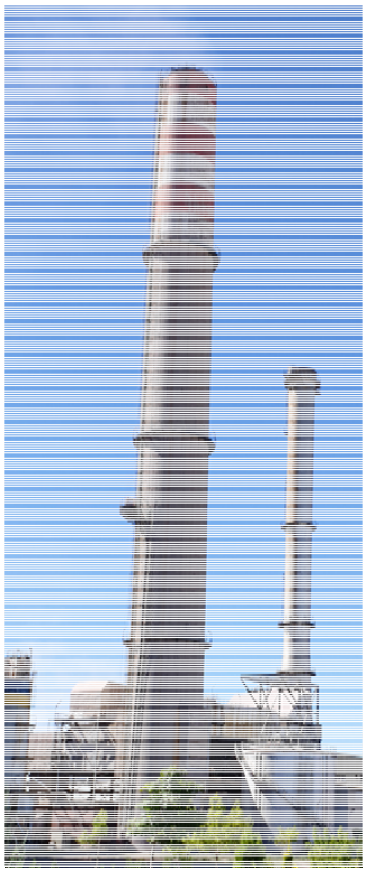
Scope Description (continue):

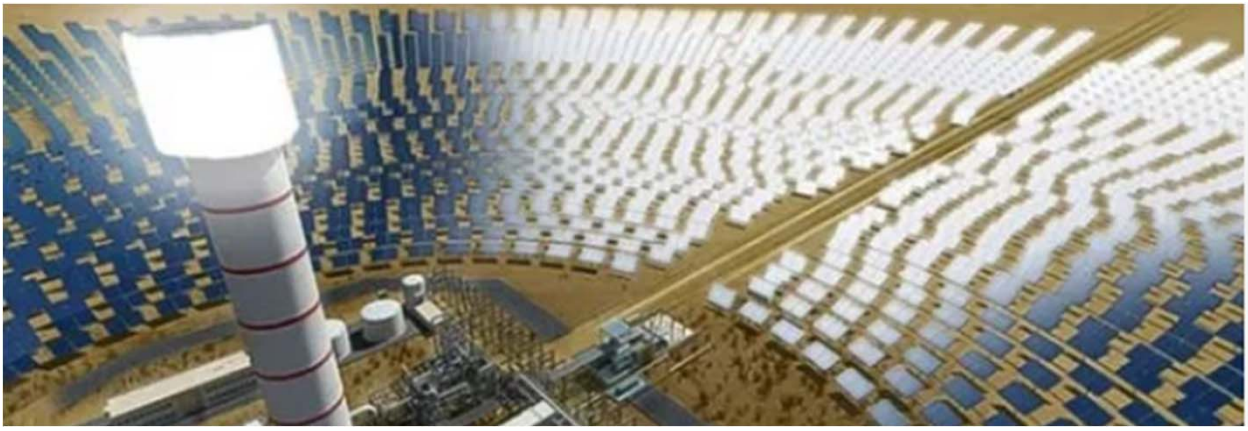
SVS's Scope includes Feasibility Study for Magnesium Based FGD Plant

- CapEx study
- Tender Preparation (RFQ)
- Local Engineering Consultancy
- Project Execution Plan/ Schedule
- Permit Study
- Data Sheet / Technical Specification
- Consultancy for Electrical Design
- Material Take off Study



NE1–700 MW CSP + 250 MW PV HYBRID PROJECT

SVS CONSULTANCY ENGINEERING



Name of Client: CSCEC (The Second Construction Co., LTD. Of China Construction Third Engineering Breau (Dubai Branch)

Plant Location: Dubai, UAE

SVS's Start Date: July 2019

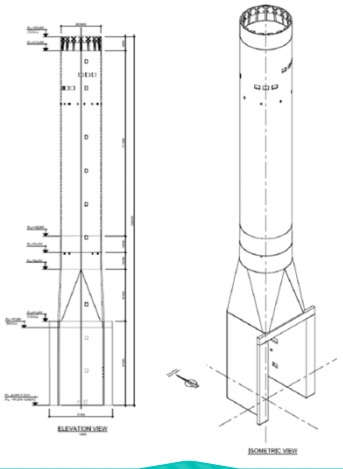
SVS's Completion Date*: August 2019*

Total Number of Engineering Manhour: 1.000

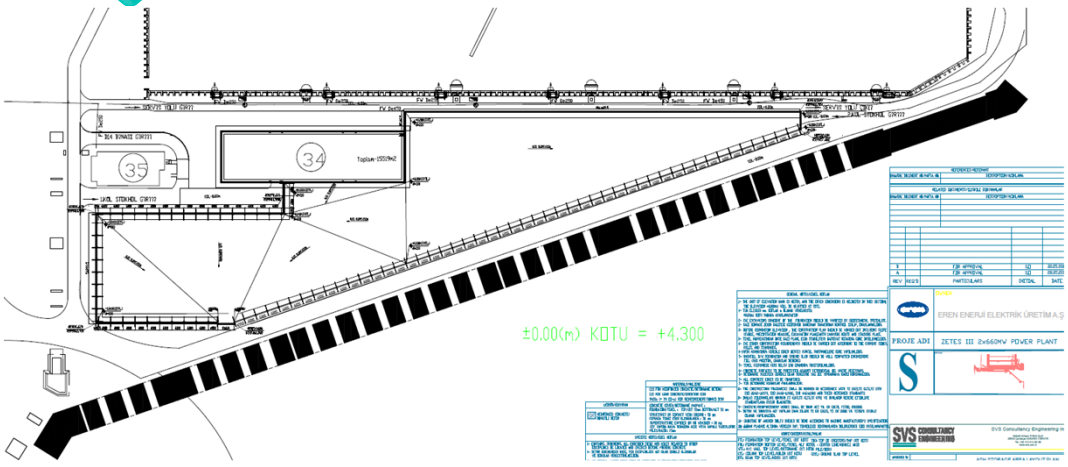
Scope Description:

SVS's Scope includes design review and detailed complementary analysis for 260 m height Receiver Shaft Tower considering all site deficiencies.

- Detailed modelling of Concrete Tower with site deficiencies
- Second order analysis
- Assesment Report according to American Design Codes



ZETES III 2x700 MW Thermal Power Plant



Name of Client: Eren Enerji

Plant Location: Zonguldak, TURKEY

SVS's Start Date: July 2019

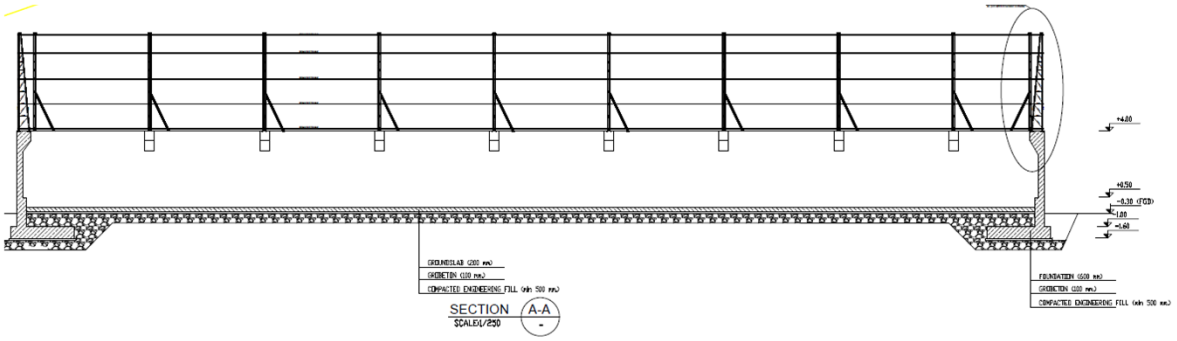
SVS's Completion Date*: October 2019*

Total Number of Engineering Manhour: 400

Scope Description:

SVS's Scope includes

- Layout & Detail Structural design of Additional Ash Stok yard



Tufanbeyli 450 MW Lignite Power Plant

SVS CONSULTANCY ENGINEERING

Name of Client: EnerjiSa

Plant Location: Adana, TURKEY

SVS's Start Date: March 2019

SVS's Completion Date*: December 2019*

Total Number of Engineering Manhour: 10.000

Scope Description:

SVS's Scope includes

- SVS is nominated solution partner for following services
  - Design Review
  - Assessment
  - Peer Review
- SVS also completed several design in Tufanbeyli Power Plant. Examples;
  - Turnkey engineering for several Warehouses (chemical, Mechanical, Oil & Multi Purposes
    - Structural, Architectural, Electrical, Utility Mechanics
  - Design Review of several structures
  - Assessment for Existing FGD ducting System

Hydro Electric Power Plants

Name of Client: EnerjiSa

Plant Location: various

SVS's Start Date: March 2019

SVS's Completion Date*: December 2019*

Total Number of Engineering Manhour: 2.000

Scope Description:

SVS's Scope includes

- SVS is nominated solution partner for following services
  - Design & Review
  - Assessment
  - Pier Review
- SVS also completed several design in following Hydroelectric Power Plant.
  - Arkun Dam and Hydroelectric Power Plant
  - Yamanlı Dam and Hydroelectric Power Plant
  - Doğançay Regulator and Hydroelectric Power Plant
  - Sarıgüzel Hydroelectric Power Plant