



Dev Energy

Innovative Solutions for

FUMES

EXTRACTION SYSTEM



www.devenery.co.in

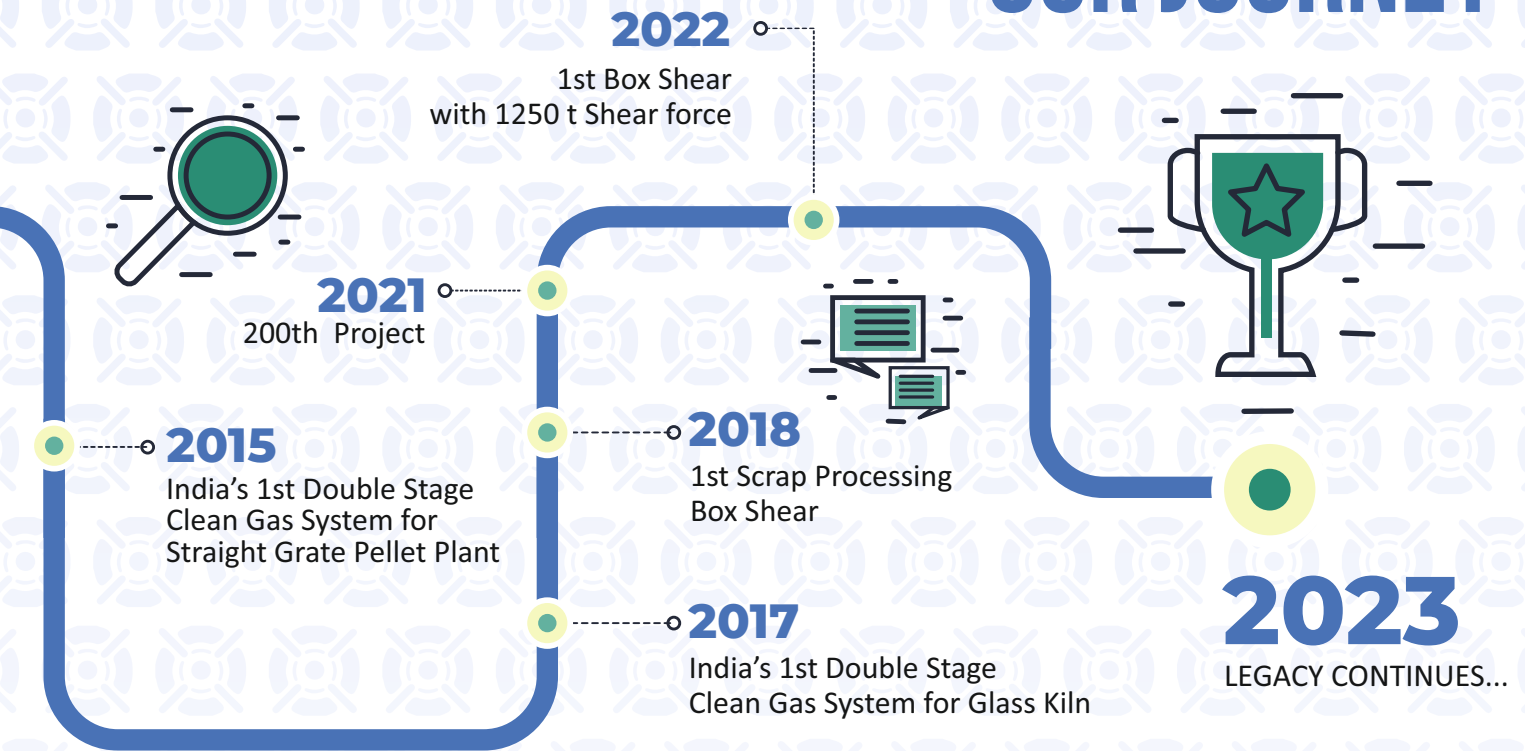
2014India's 1st Dog House type
Flue Extraction system
for Induction Furnace**2000**
Inception of **DEV ENERGY****2013**
100th Project**2004**
India's 1st Double
Stage Clean Gas System
for Tiles Plant**2012**
India's 1st Double
Stage Clean Gas System
for Refractory Tunnel Kiln**2006**
India's 1st Double Stage
Hot Gas System for
Steel Reheating Furnace**2011**
India's 1st Double
Stage Clean Gas
System for Grate Kiln
Pellet Plant

WHY CHOOSE US

200+Successful
Projects**30+**Core Technical
Team**100+**Technical
Offerings**100000+** Sq. ft Industrial Facility

Sh. Devender Kumar our CMD is a dynamic and experienced business professional, with experience of over 40 years in various industries. His vision of providing reliable and efficient solution to the industry, drives us to continuously innovate and excel.

OUR JOURNEY



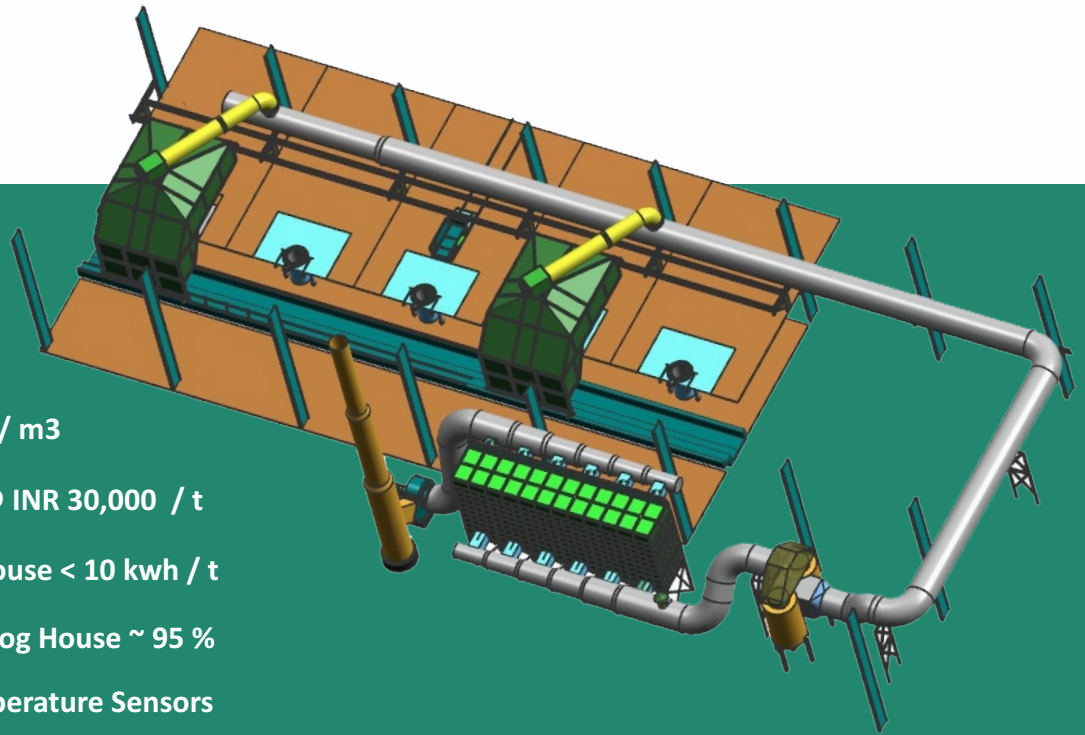
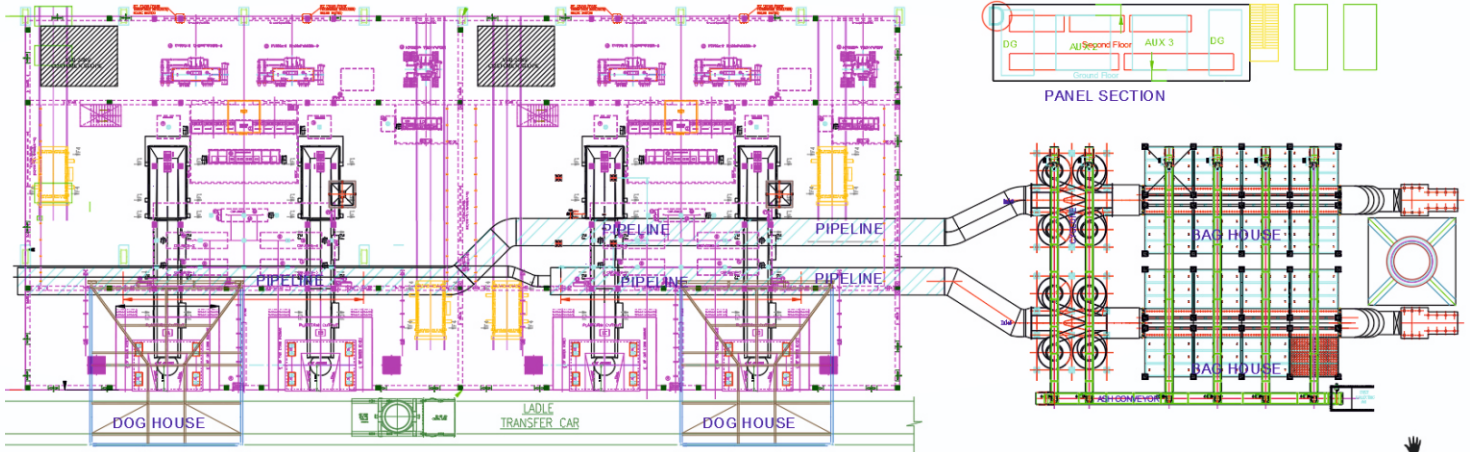
OUR PARTNER IN SUCCESS



PILLARS OF OUR SUCCESS



FUMES EXTRACTION SYSTEM



100 % PLC Controlled

Stack Emissions < 30 mg / m³

FES Dust Sellable Easily @ INR 30,000 / t

Power Usage with Dog House < 10 kwh / t

FUMES Collection with Dog House ~ 95 %

Multiple Pressure & Temperature Sensors



DOG HOUSE



PIPELINE



BAG HOUSE



CYCLONE



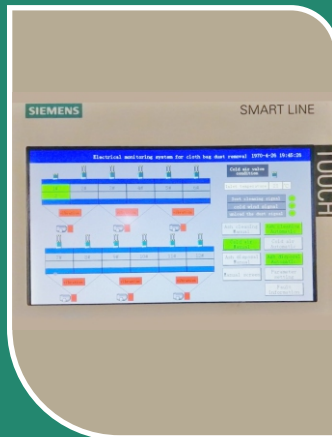
INDUCTION FURNACE in tons	10	15	20	25	30	40	50
DESIGN FUMES in m ³ / hr	70,000	90,000	1,00,000	1,20,000	1,35,000	1,80,000	2,40,000
FILTERERATION in m ²	~1200	~1200	~1400	~1600	~2019	~3400	~6200
DUST COLLECTED in t/d	~0.7	~0.8	~1.3	~1.7	~ 2.0	~ 2.8	~3.5

100% Automation Through

- PLC Control Bag House
- VVFD Control Blower
- Temperature Sensors
- DP Pressure Sensors
- Flow Meters
- HMI Screen



PULSING SYSTEM



HMI



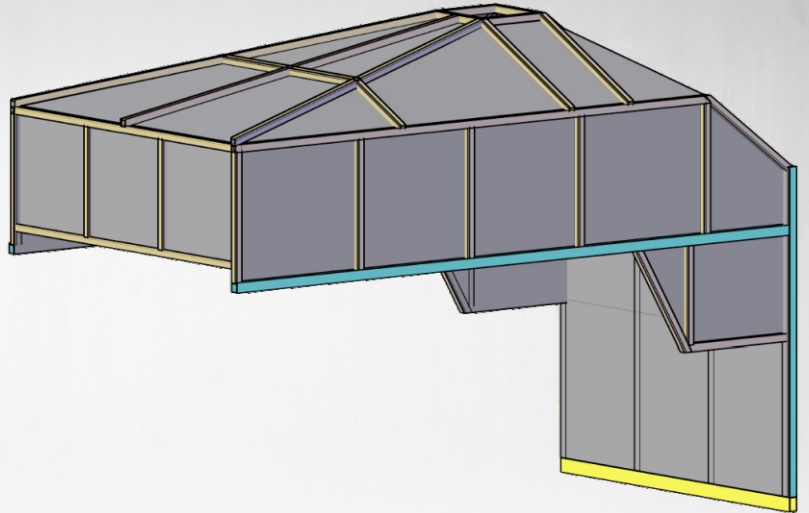
BLOWER



CHIMNEY

DOG HOUSE

- Capture $\geq 95\%$ of Fumes
- Movable on rails with Geared Motor
- One DH for both crucibles
- Work with pusher
- Feed scrap by vibro-feeder / trolley
- Pour molten metal in DH



SIDE HOOD

- Capture $\geq 75\%$ of fumes
- Rotary system with Geared Motor
- One SH for both crucibles
- Works with pusher
- Can feed scrap by any method



SCRAP FEEDING TROLLEY



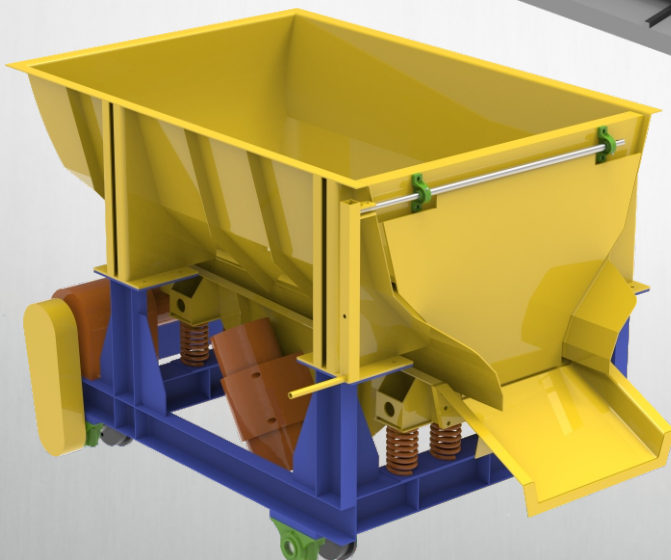
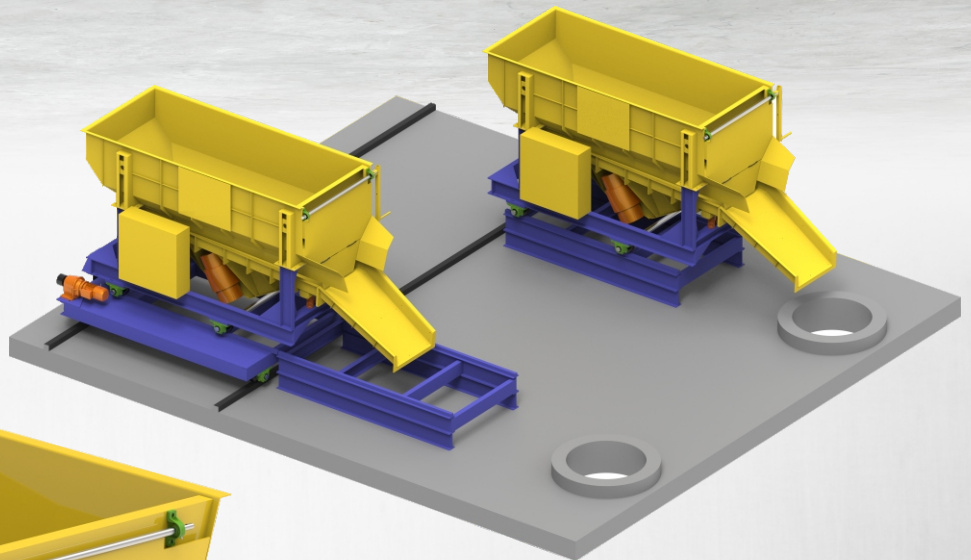
Remote control
Hydraulic tilting
Speed ~ 30 MPM with VFD Drive
Back, front & Side travel options



MODEL (DSFT)	20	30	40
SIZE in mm	1500	1600	1800
CAPACITY in M ³	~ 3.5	~ 4.5	~ 6.5
SCRAP in tons	2	3	4

VIBRO FEEDER

Continuous feeding
Easy pendant control
Back, front & side travel options



MODEL (DSFT)	20	30	40
SIZE in mm	1500	1600	1800
CAPACITY in M ³	~ 3.5	~ 4.5	~ 6.5
SCRAP in tons	2	3	4

PUSHER

- Telescopic boom
- Remote control
- Hydraulic operation
- Rotation up to 270°
- Water cooled hydraulic system



MODEL (DSP)	05	07	10
SIZE in mm	5600	5800	6000
FORCE in tons	5	7	10



Design Options

- 1 Pusher with 1 Hydraulic
- 2 Pusher with 1 Hydraulic



LADLE CAR

- VFD Driven operation
- Speed up to 10 MPM

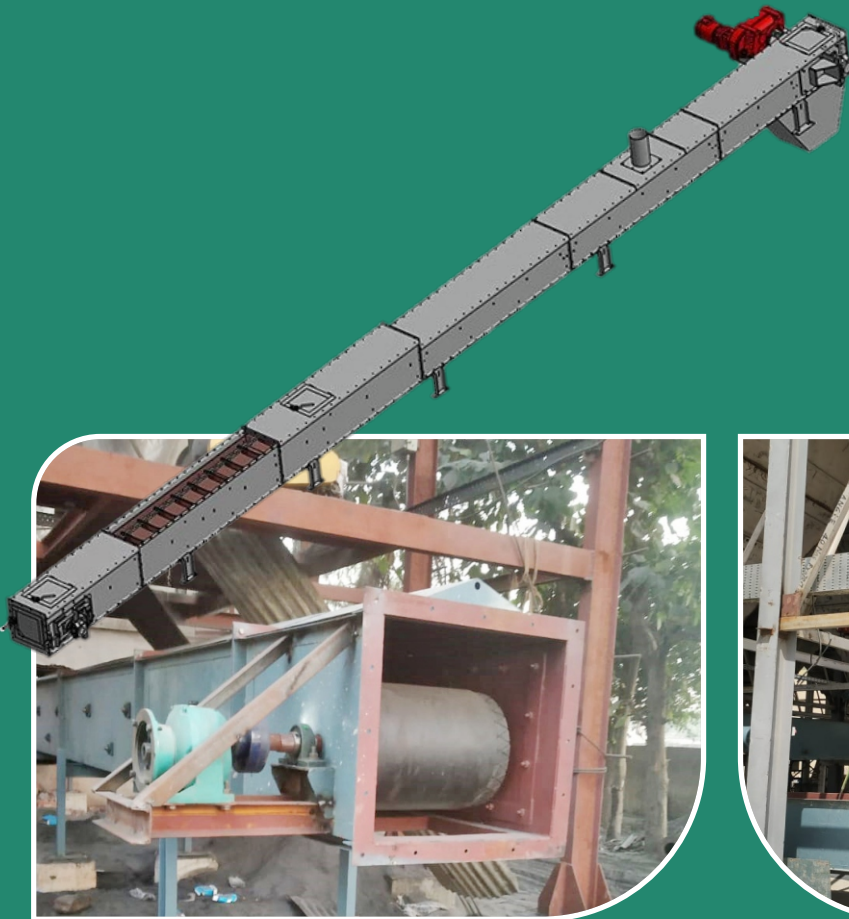
MODEL (DLC)	20	30	40
SIZE in mm	1500	1600	1800
CAPACITY in tons	~ 65	~ 80	~ 120

Design options:

- 1 Ladle car for 1 Ladle
- 1 Ladle car for 1 Ladle + 1 Slag Pot

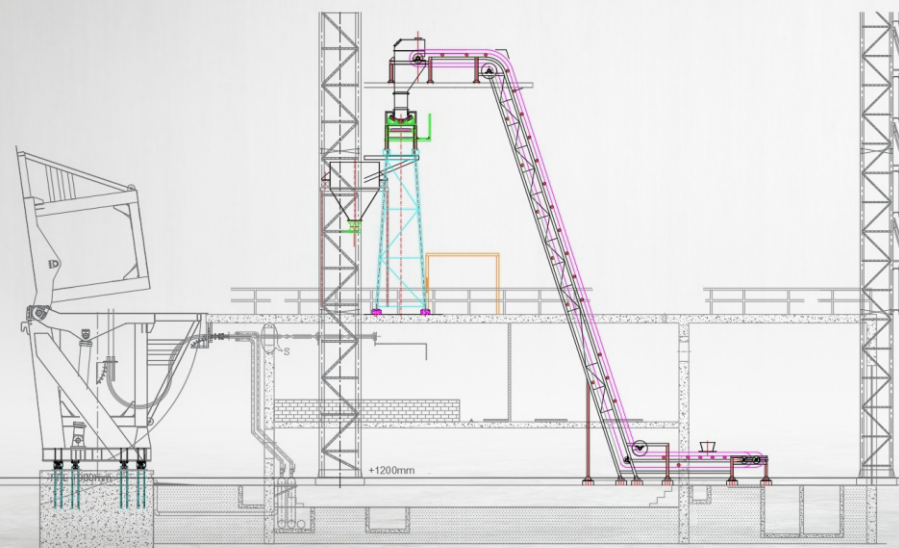
ASH CONVEYOR

- Design capacity up to ~800 Kg/h
- Long length single conveyor
- Maintenance free operation
- Belt width upto 1 M
- Dust collection at one point



DRI CONVEYOR

- Continuous feeding of DRI
- Carrying capacity upto 30 t/hr



Activate





AMBA SHAKTI INDUSTRIES LTD.

SIKANDRABAD, UP

FURNACE CAPACITY : 40T X 2
 SUPPLIED : FES WITH DOG HOUSE,
 TROLLEY (SFT), PUSHER



MADHAV KRG LIMITED

MANDI GOBINDGHAR, PUNJAB

FURNACE CAPACITY : 50 T X 2
 SUPPLIED : FES WITH DOG HOUSE,
 SCRAP PUSHER



SBF ISPAT PRIVATE LIMITED

BHIWADI, RAJASTHAN

FURNACE CAPACITY : 20T X 2
 SUPPLIED : FES WITH DOG HOUSE,
 SYSTEM TROLLEY (SFT)



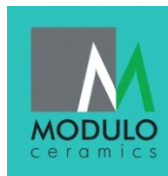
AL RAJHI STEEL INDUSTRIES COMPANY

KSA (SAUDI ARABIA)

FURNACE CAPACITY : 40 T X 2
 SUPPLIED : FES WITH DOG HOUSE
 TROLLEY (SFT), PUSHER



OUR VALUED CUSTOMERS





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