



Dev **Energy**

Innovative Solutions for

FUMES

EXTRACTION SYSTEM



www.devenery.co.in

2014

India'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

2006

India's 1st Double Stage
Hot Gas System for
Steel Reheating Furnace

2012

India's 1st Double
Stage Clean Gas System
for Refractory Tunnel Kiln

**2011**

India's 1st Double
Stage Clean Gas
System for Grate Kiln
Pellet Plant

WHY CHOOSE US

200+

Successful
Projects

30+

Core Technical
Team

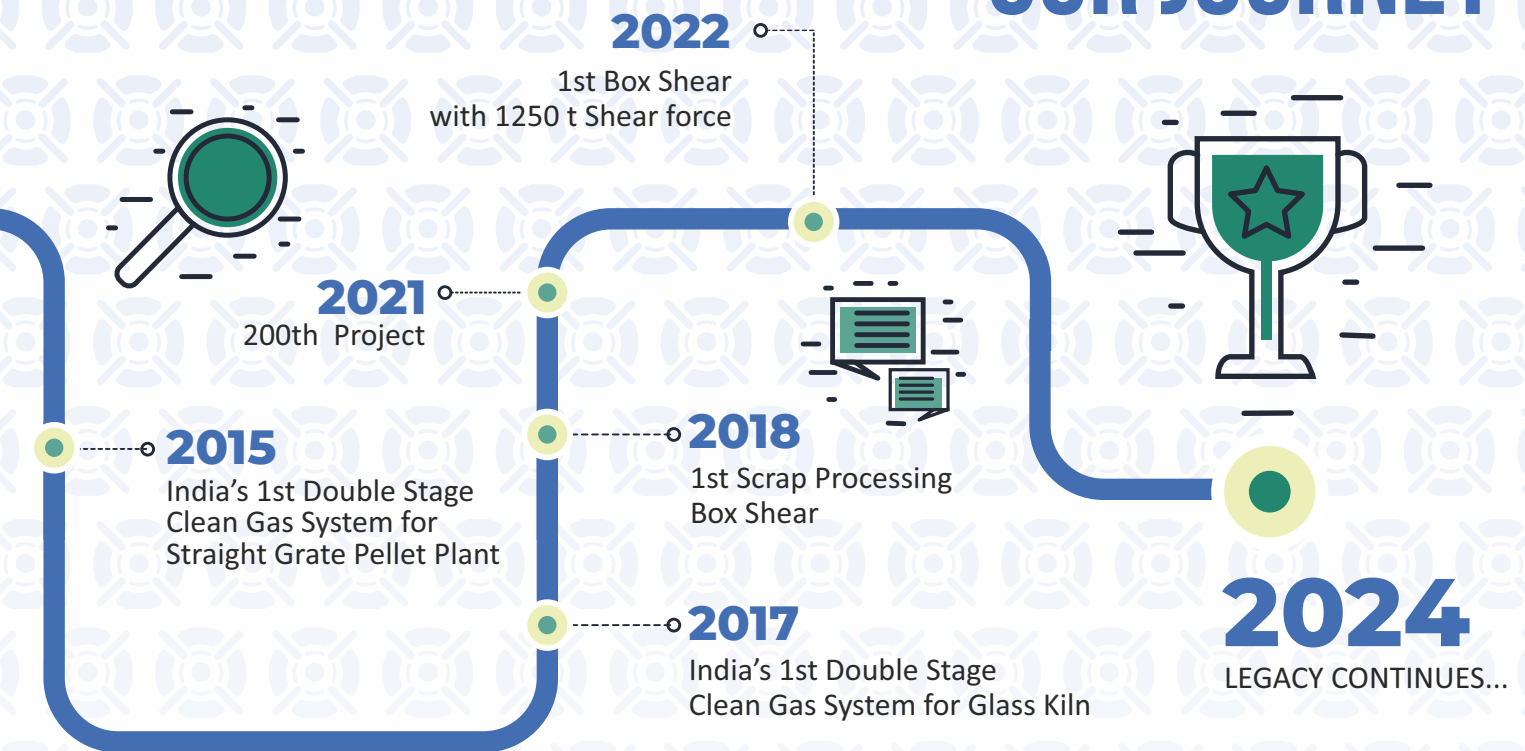
100+

Technical
Offerings

1000000+ 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



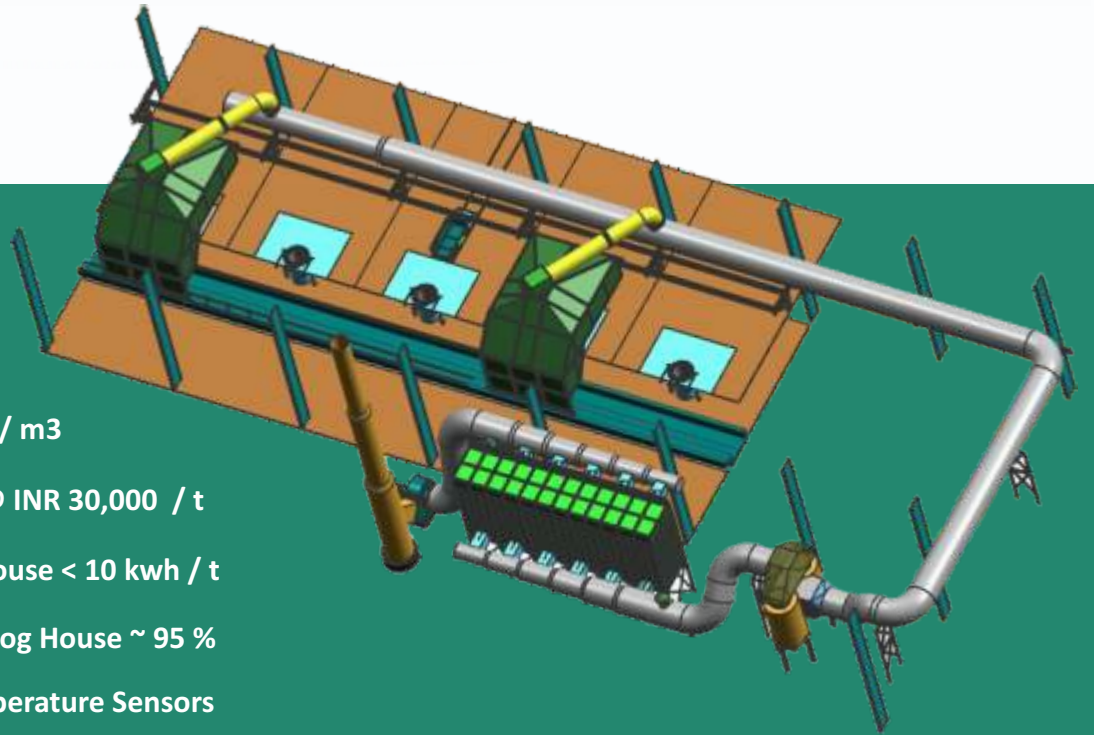
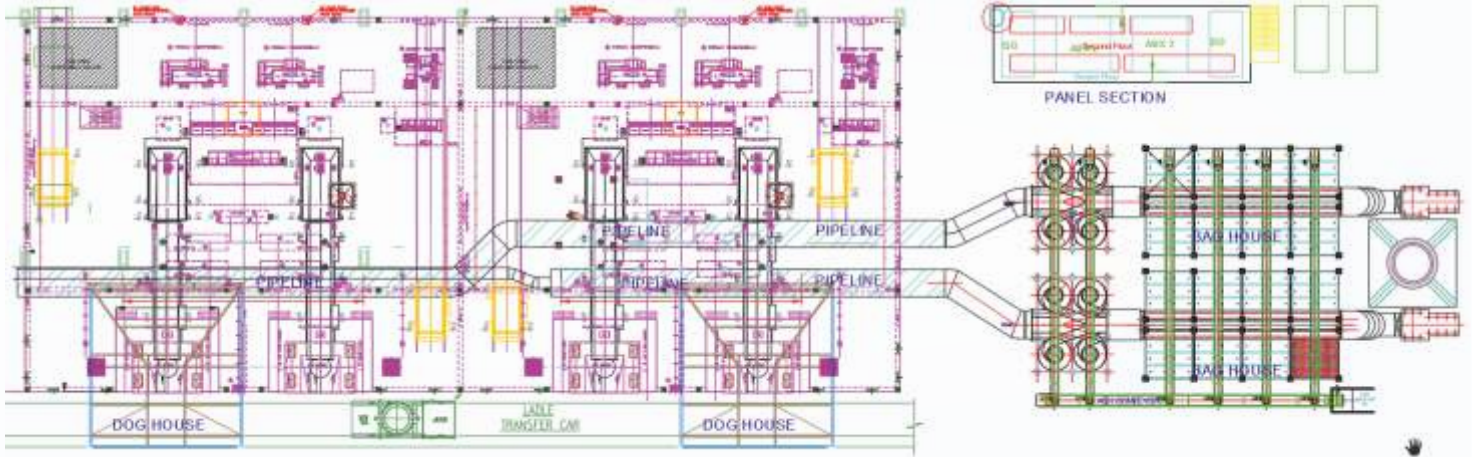
OUR PARTNER IN SUCCESS



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



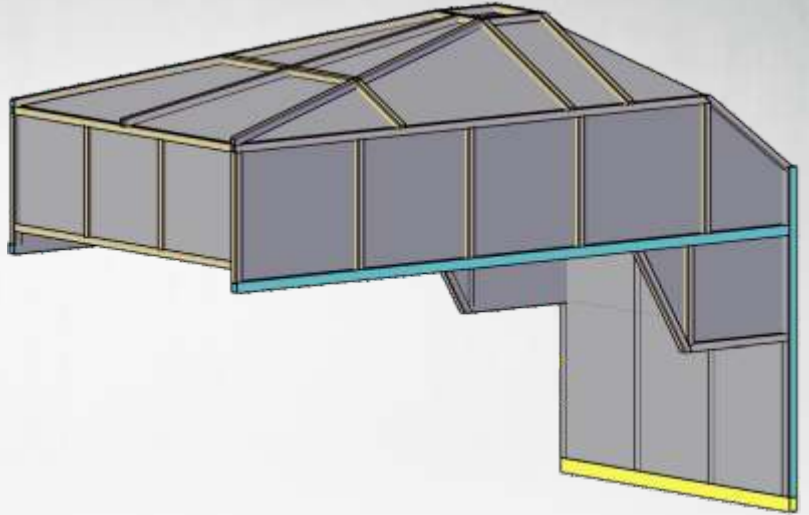
BLOWER



CHIMNEY

DOG HOUSE

Capture ≥ 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 ≥ 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



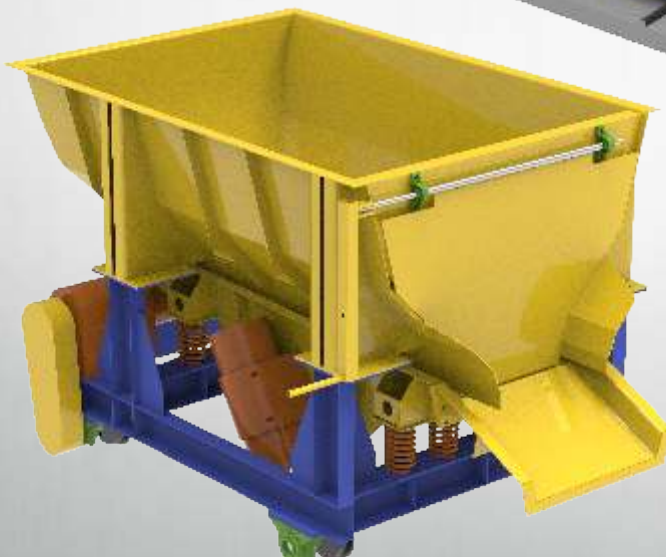
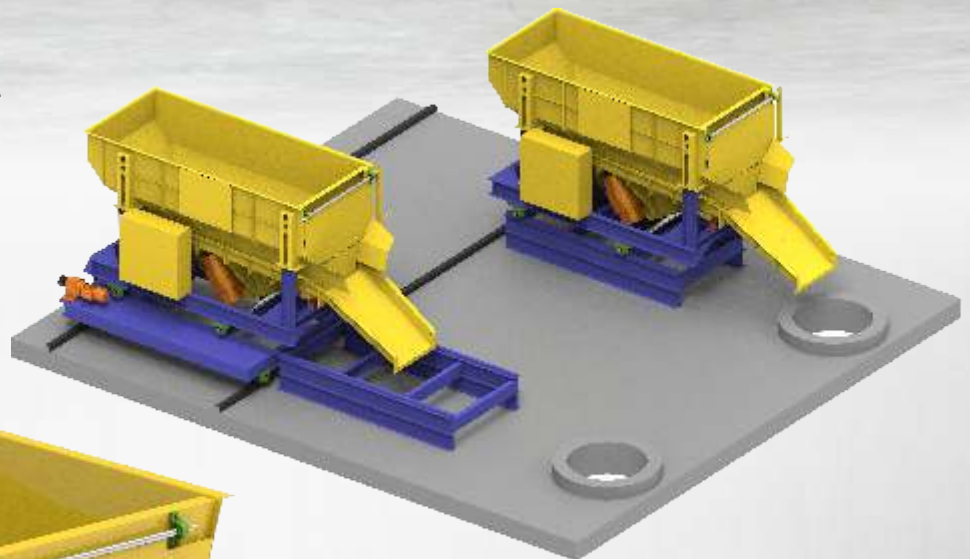
MODEL (DSFT)	20	30	40
SIZE in mm	1500	1600	1800
CAPACITY in M ³	~ 3.5	~ 4.5	~ 6.5
SCRAP in tons	2	3	4

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

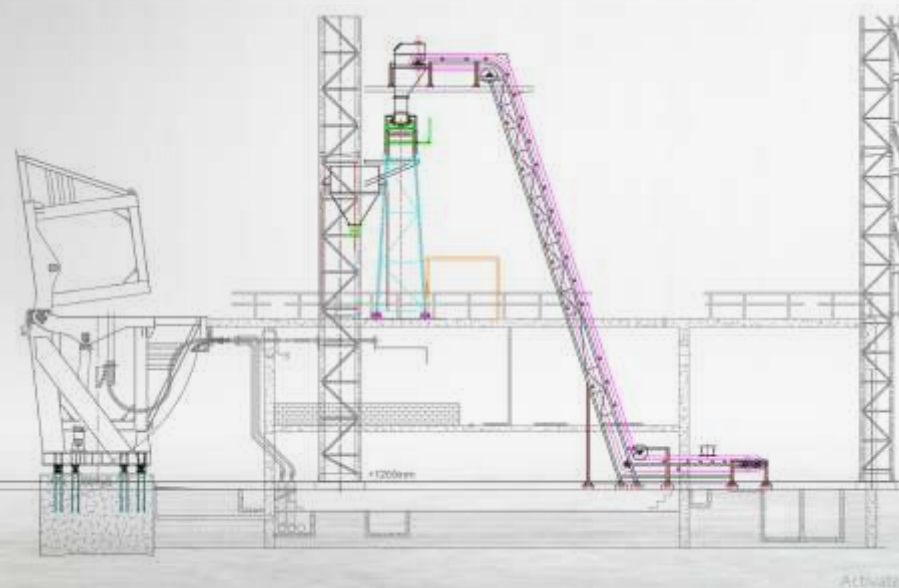
Dust collection at one point



DRI CONVEYOR

Continuous feeding of DRI

Carrying capacity upto 30 t/hr



**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**

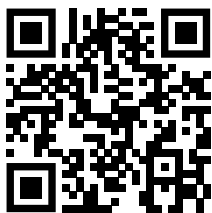
KSA (SAUDI ARABIA)

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



OUR VALUED CUSTOMERS





www.devenenergy.co.in



DEV TECHNOFAB LIMITED

901, Gopal Heights, Netaji Subhash Place
Pitampura, New Delhi 110034. INDIA

+ 91 11 4750 88 00

info@devenenergy.co.in

[in /company/devenenergy](https://www.linkedin.com/company/devenenergy)

www.devenenergy.co.in

FOLLOW US

