

S-Cube DPF system

(S³ : Soot Solving System)



Official DPF certification from Japan (2004. 1.)



Excellent Korean Technology

KT mark : Excellent Korean Technology (2004. 6.)



Venture funded from Hyundai Motor Company

2009. 8.



Clean Air Technology, Inc.

www.CATech.co.kr

Introduction

Vision

**World Wide Leading Company in DPF
for Clean Air**

Main product

**Diesel Particulate Filter System (DPF)
for Diesel Engines, Generators and Vehicles**

■ Name	CATech Inc. (Clean Air Technology Inc.)
■ Address	Namdong San 38-2, Yongin, Kyung-gi, Korea
■ CEO	In-Gweon Lim (Ph.D. in Mechanical Eng.)
■ Business Area	DPF (Diesel particulate filter)
■ Capital	775 Million KrW
■ No. of Employee	6(1 Ph.d, 3 MS, 2BS)
■ URL	www.CATech.co.kr
■ Contact	iglim@catech.co.kr , Tel) +82-31-336-6436,7 Fax) -6434

- Official DPF certification from Japanese Gov. in Jan. 2004
- Exporting DPF systems to Japan market in Mar. 2004
- Award of Excellent Korean Technology [KT mark] in June 2004
- Fund investment from Hyundai Motor Company(2nd Stock holder), Oct. 2004
- Development of DPF system for locomotive and ships, supported by Ministry of Industry and Resource, Aug. 2005 ~
- Exporting DPF burner system to Beijing, China (with SK Energy)
- Finishing USA CARB certification and exporting burner system for DPF to USA (with SK Energy), Mar 2009 ~
- Exporting burner system to Europe, Apr. 2009 ~

“Clean Air for our Descendants”



Official Japanese DPF Certification [2004. 1] & KT Mark Award [2004. 6] & USA CARB



Certification number : 062-D

+ Reduction of Soot : > 90 %

+ Reduction of PM : > 70 ~ 85 %



Excellent Korean Technology

The Sole holder in DPF area with KT mark in Korea

USA CARB
Certified Burner System
(2009. 5. 15.)

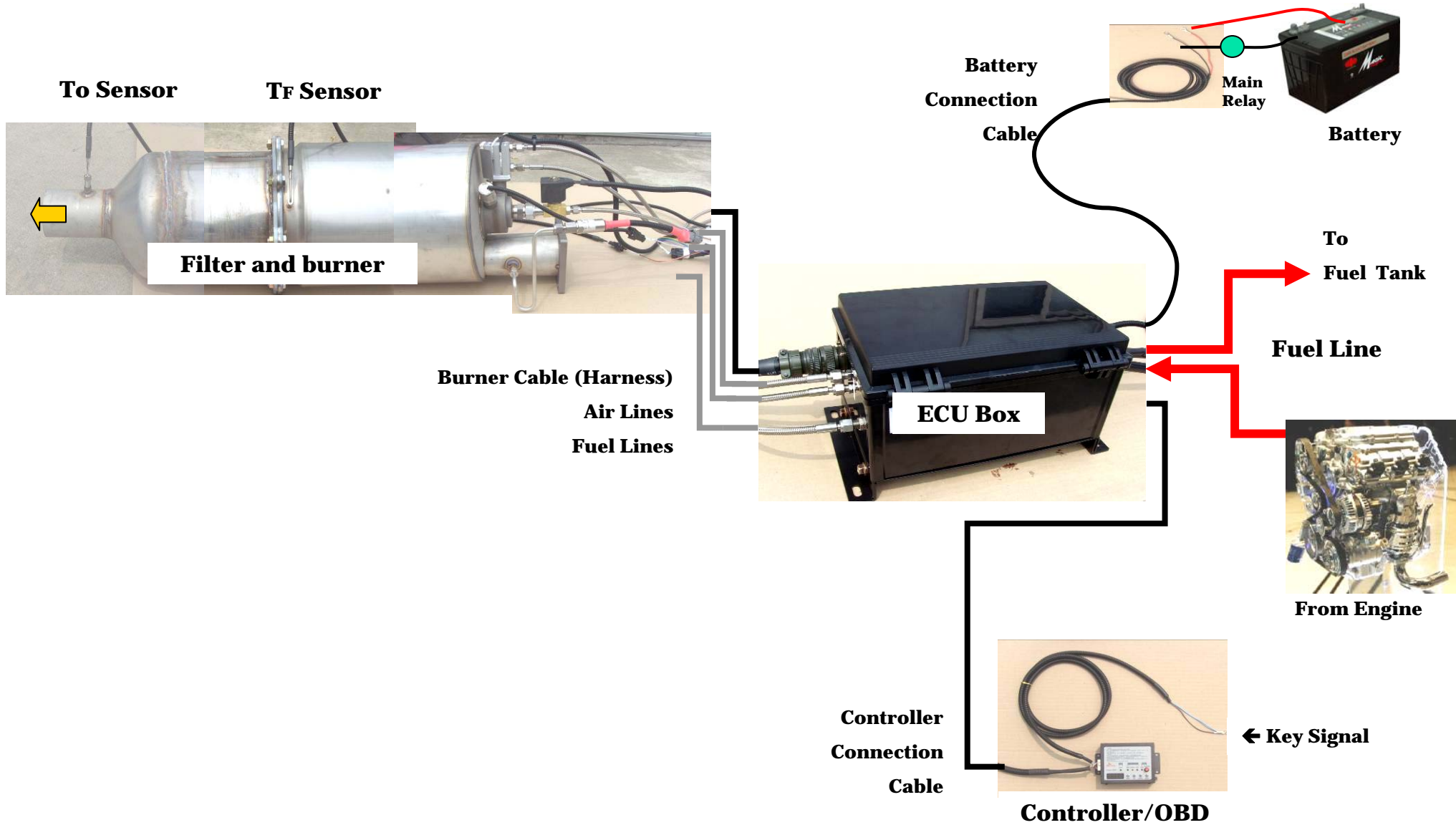


DPF sale in China & USA (With SK Energy) and Sale in Europe

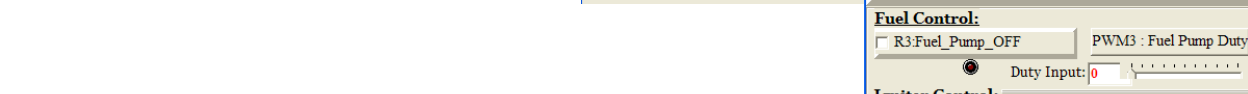
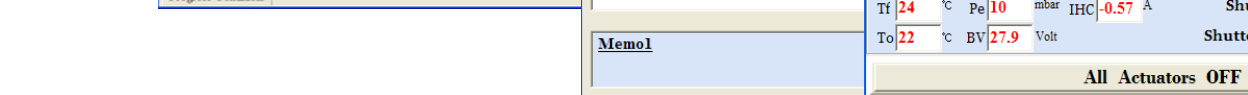
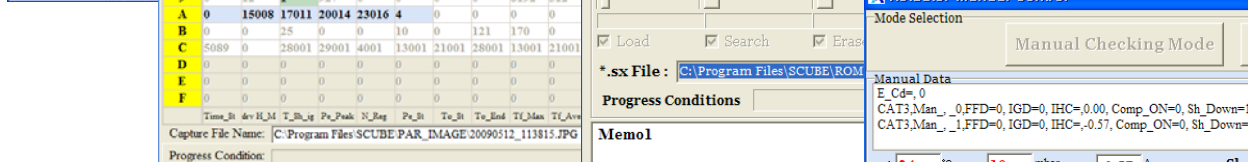
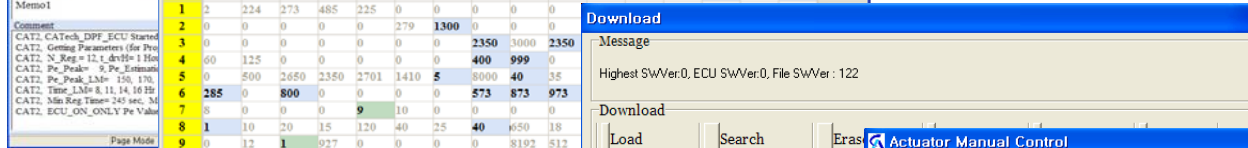
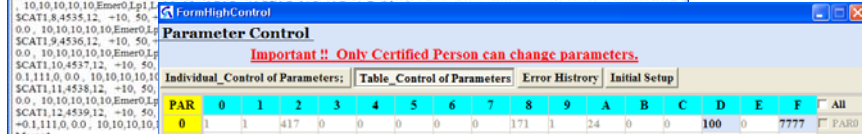
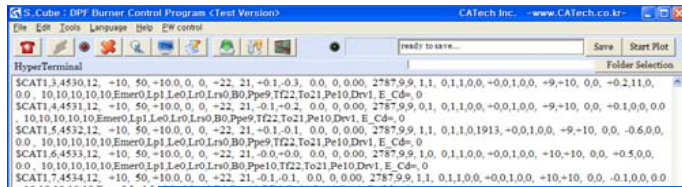
- * Mar. 2008 ~, Supplying burner and control system to Beijing china
[about 500 units, applied to garbage trucks]
- * Feb. 2009, Finish USA CARB certification test with SK
- * Mar. 2009 ~, Exporting burner system to USA with SK
[about 250 units till present]
- * Apr. 2009 ~, Exporting burner system to Europe with ECS Sweden, ECS Canada



DPF system schematics

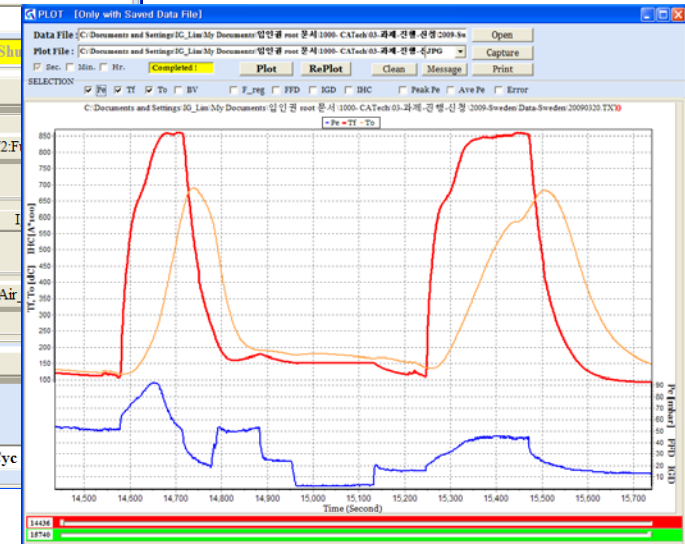
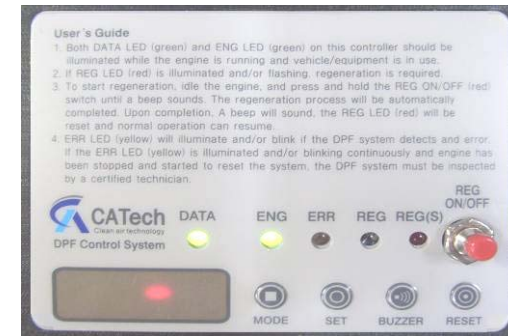


DPF system software/scan-tool



OBD

for data storage, alarm, buzzer,
reg. trigger & stop
and PC interface



DPF installed for forklift



- Burner system with MLF filter
- Active single point reg.
- Reg. period : 1~2/Day, 2~4 min.
- Renault Samsung Motor Company



DPF installed for new forklift



- Burner system with Corning AT filter
- Active single point reg.
- Reg. period : 1~2/Day, 2~4 min.
- Renault Samsung Motor Company

DPF installed for forklift

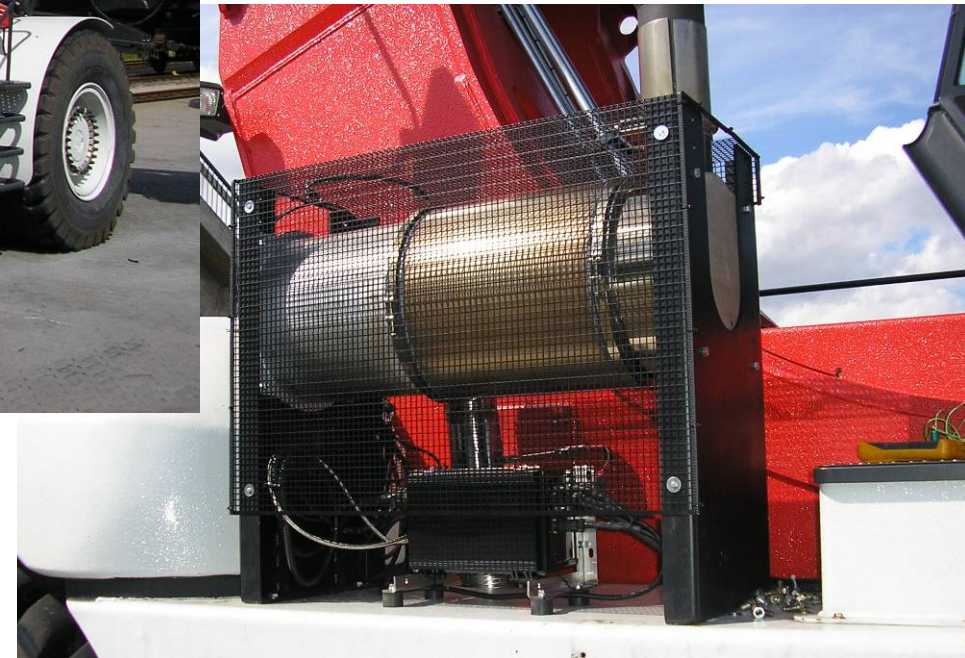


Burner system with Corning AT filter
-Active single point reg.
-Seoul City Gov.

DPF installed in Sweden



DPF installed in Germany



DPF installed in Netherlands



DPF installed in Italy



DPF installed in Austria



Exported to Japan Market (Japan)



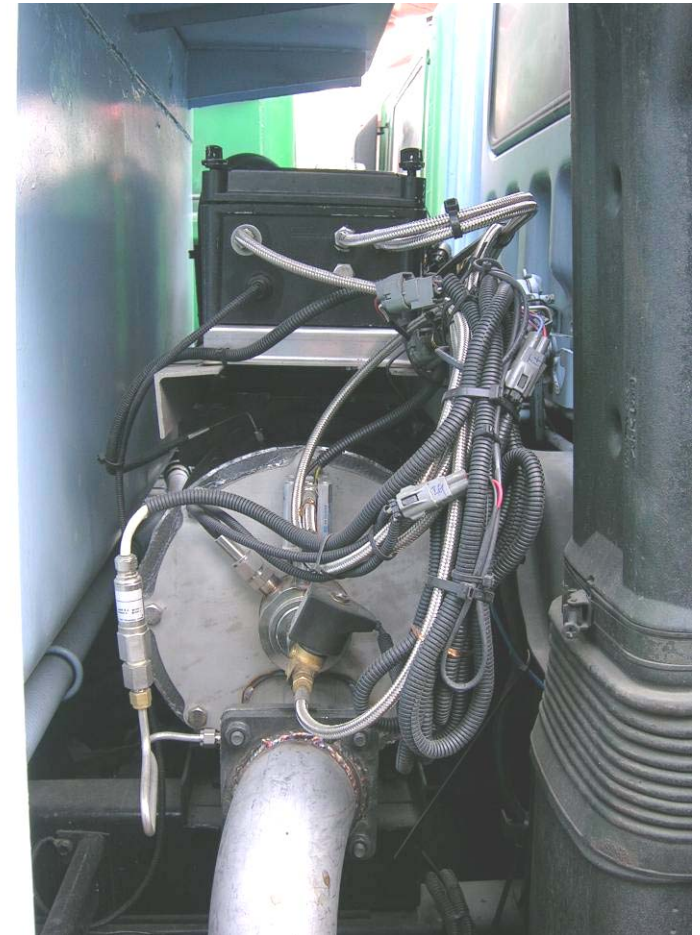
CATech DPF in Market (Japan + Korea)



DPF system in Korea



Burner & Control System
-with SK energy



Subway Motocar- Incheon Subway



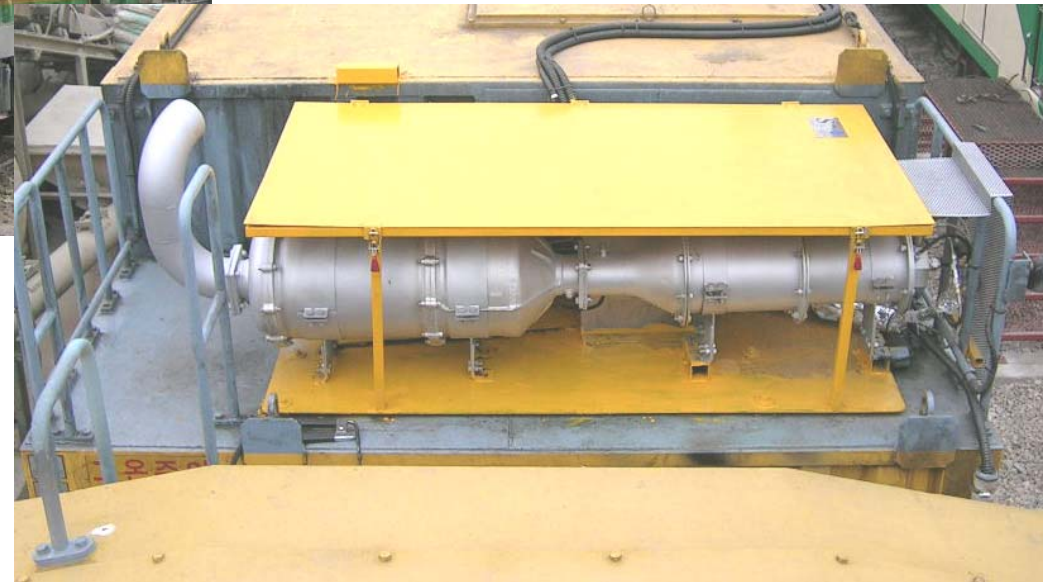
Burner system

- Active single point reg.
- Reg. period : 1/week, 4 min.

Subway Motocar- Seoul Metro



Burner with Catalytic filter (210kW)
-Full-flow reg.



Subway Motocar- Seoul Metro



Burner with Catalytic filter (708 kW)
-Full-flow reg.

Subway Motocar- Seoul Metro

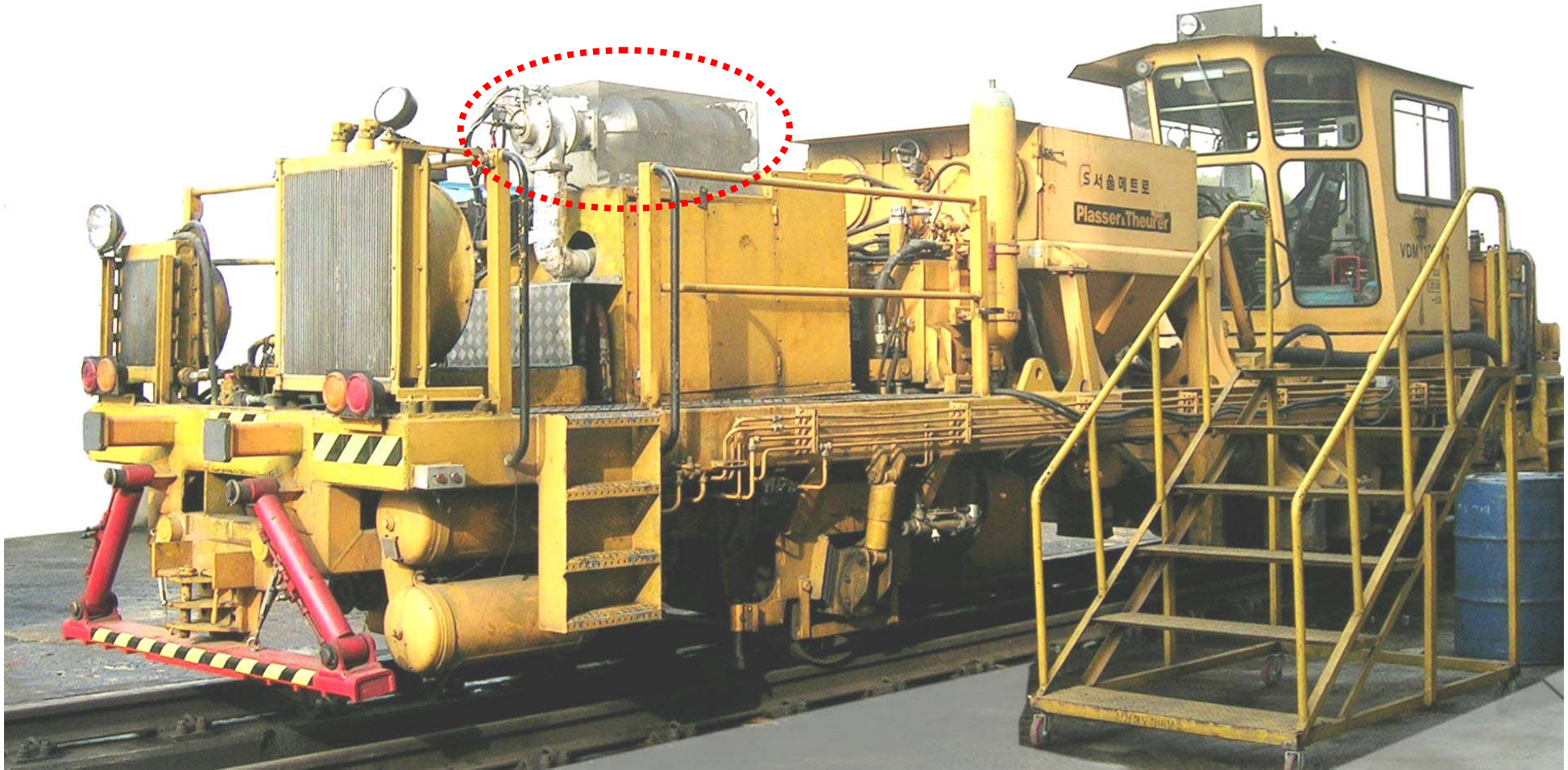
Rail crack detection motor car #1, 150 HP (2007. 12.)

Rail crack detection motor car #2, 174 HP (2008. 9.)



Subway Motocar- Seoul Metro

BC, 232 HP (2008. 9.)



Subway Motocar- Kwang-Ju Subway



Burner system

- Active single point reg.
- Reg. period : 1/week, 2~3 min.



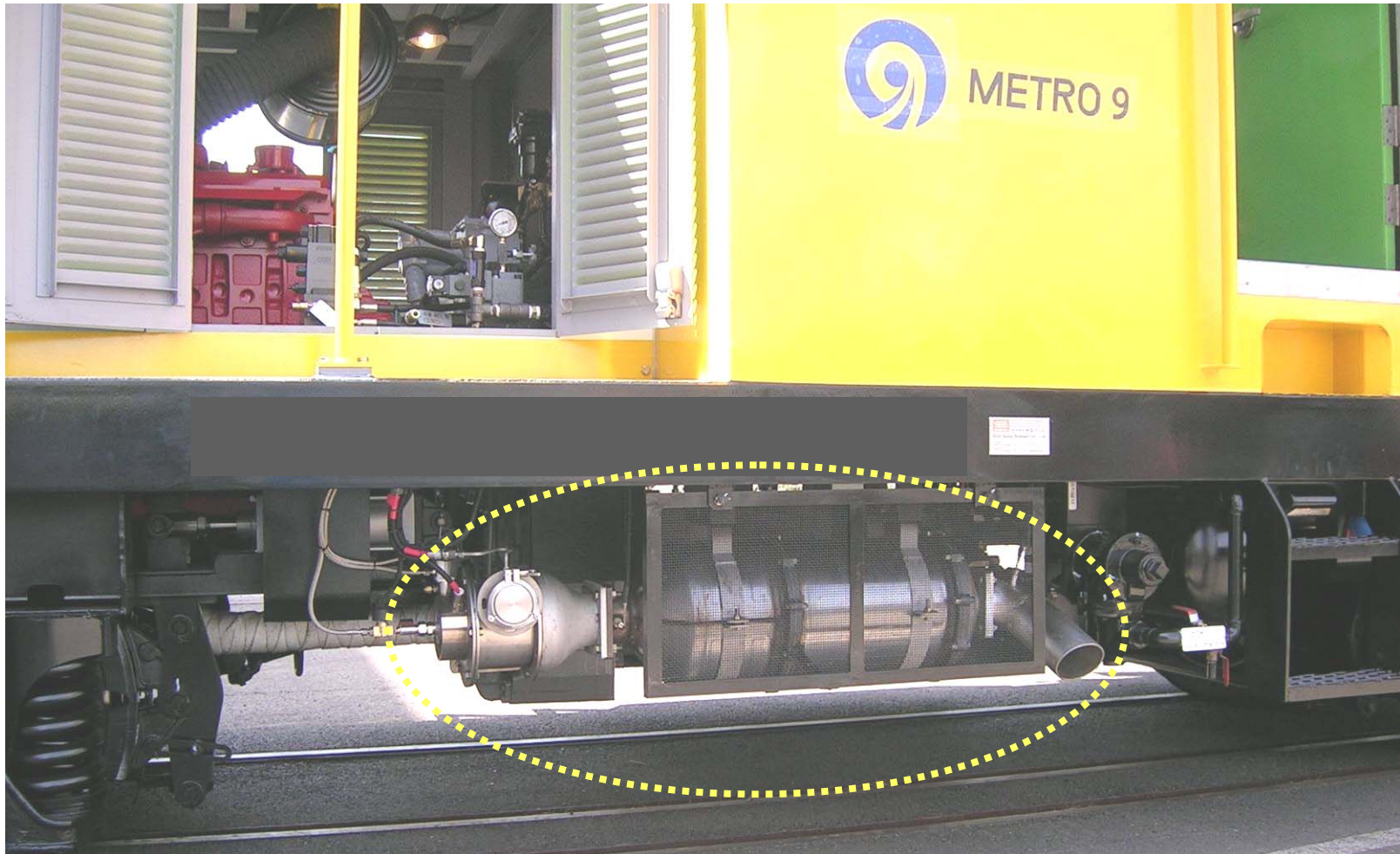
Subway Motocar- Seoul Metro

Rail grinding, 2 set (2009. 3.) - 289 HP



Subway Motocar- Seoul Metro

Motorcar, 2 set (2009. 3.)



CATech DPF



Burner with Catalytic filter
-Full-flow reg.

DPF installed electric generator



Burner with MLF filter
-Full-flow reg.

DPF system for Diesel Locomotives

