

Heating with Gas Boilers

What are the environmental advantages of Gas Fired Equipment?
What are the challenges and practical solutions to implementing gaz heating in Lebanon?

Expert Name: Habib Khoury Raphael

General Manager

Natgaz



Short Profile: Habib Khoury Raphael has been General Manager member of the board of Gaz du Liban holding since 2000 he joined Natgaz in 2012 as General Manager. He has an extensive experience of over 20 years in the industry and was the main force behind many initiatives regarding the development of gas usage in Lebanon.

Expert Name: Joseph Saade,

Senior Engineer

Natgaz



Short Profile: Joseph Saade received the B.E. degree in Mechanical engineering from the Lebanese American University in 2012. Joined the construction company Abniah as an MEP coordinator. Joined Natgaz in 2013, he is now a senior engineer in charge of gas Systems design and implementation, attended several seminars and forums of the WLPGA Safety Regulations Training (NFPA 54 & 58).

Definition / Benefits	Constraints / Challenges / Barriers
✓ High efficiency ✓ Reliable system	✓ Propane gas boiler is better than diesel or any type of fuel

<ul style="list-style-type: none"> ✓ Clean ✓ Low CO2 emission ✓ Gas system is a major component for the Leed or any green certificate in projects 	<ul style="list-style-type: none"> ✓ Diesel Boilers results high NOx and CO emissions
Best Practice / Solutions / Tools	Resources / local Availability
<ul style="list-style-type: none"> ✓ Controlled Heating with thermostat and automated schedule ✓ Instant hot water option without hot water storage tanks ✓ Hybrid partner to solar system ✓ Power generation 	<ul style="list-style-type: none"> ✓ Natgaz covers gas supply 24/7 all the Lebanese Territory ✓ Natgaz provide the gas system and boiler installation ✓ All types of gas storages are available: tanks , cylinders... ✓ We provide the Frisquet (French) gas boiler brand. Leaders of the gas boilers in Europe.