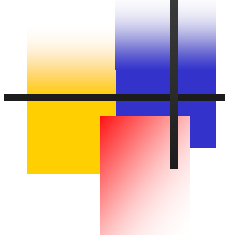


# PRESENTATION OF AFPAC (Heat Pumps)

Christian Feldmann (COSTIC)

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# AFPAC : French Association for Heat Pumps



## WHY AFPAC ?

- **New development of Heat Pumps in France since 97**
- **A strong growth market**
  - 1700 HP in 97 → 22 000 HP in 2002
  - 10 000 HP /year
- **Heterogeneous and dispersed actors involved**
- **Necessity to draw the market towards more quality.**



# AFPAC : French Association for Heat Pumps

## AFPAC TO-DAY

- **40 members gathering together :**
  - **Manufacturers, installers, designers.**
  - **Government (Ministry of Building), Ademe, professional associations : UCF, SNEFCCA (installers), CAPEB (craftsmen), Energy Providers (EDF,GDF), Technical Centers (CETIAT, COSTIC).**



## **AFPAC : French Association for Heat Pumps**

### **WHAT ARE AFPAC GOALS ?**

- **Gathering together people willing to develop the HP market in France with an idea of quality.**
- **Make easier relationships and cross exchanges between all people involved in HP (scientists, engineers, manufacturers, installers...).**

## WHAT HAS BEEN ALREADY DONE ?

### A basic work :

- 10 guidebooks witch contain the basic rules of good practice for
  - Design
  - Sizing
  - Installation
  - Maintenance

**For the most popular HP heating systems installed in France.**

# AFPAC : French Association for Heat Pumps

## WHAT AFPAC IS DOING ?

- Set up of a quality insurance system in the frame of a “Quality charter” accepted by AFPAC members
- Based on rules of good practice
- Including training
- Checking of :
  - Skills and knowledges of companies staff
  - Effective quality of installations



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## OTHER ISSUES :

- **HP in existing buildings**

Combination with existing boiler or replacement of boiler by a high temperature HP.

- **Building regulation**

- HP certification
- How HP is taken into account in the French building regulation



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## **AND TO-MORROW**