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Decision making software for Gaz de France distribution network operators :
CARPATHE V5

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DIRECTION DE LA RECHERCHE

DETI / PSO

08/06/06

Gaz de France Distributor's **constant willpower**

=

provide **security** to **people and assets**
while
carrying out **proper gas supply** in an
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MEANS:

provide its **network operators** with a software to help **their decision making process** while operating networks

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Software to **help decision making process** that enables the operators:

- To **anticipate** consequences of maintenance to be performed on the network

- To **secure** the network in case of an emergency

Decision on the maneuvers to perform on the network : e.g. number of clients impacted

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Requirements for pertinent use of *CARPATHE V5*

- Data Quality

  - Up-to-date network description

  - Consumption data such that simulation can be performed for any day/temperature of the year

    - ✓ Networks are operated 24h/day, 365days/year

- Simulation coherence

  - With real behavior on complex systems

Added value of *CARPATHE V5*

- Robust, easy to use, fast, clear graphical and numerical results within a mouse click

- Specific functionalities proper to network operators
    - Search for equipments to secure the network
    - Maneuver equipment and impact
    - Network survival time with potentially cut gas supply based on specific contracts
    - …

- Additional functionalities of CARPATHE V5 for network design

Poster in this room: Chantal.Alario@gazdefrance.com

CS Systèmes d'Informations: located at Stand number 2.202A (Gaz de France partner)