



Session 7

GROUP-IT : l'appel d'offres groupé, premier pas vers la RCP ?
GROUP-IT : grouped call for tenders, first step towards RCP ?


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Renewable energy in Switzerland : findings

Falling behind on its 2050 energy masterplan

3 constraints :

- Lack of knowledge and tools
- Lack of financing
- Lack of installers

 **NOUVELLE LOI SUR L'ÉNERGIE
ÉNERGIES RENOUVELABLES : VALEURS
INDICATIVES**



Production indigène moyenne d'énergies renouvelables (sans la force hydraulique)

- en 2020: 4400 GWh
- en 2035: 11400 GWh

Force hydraulique

en 2035: 37400 GWh

OFFICE FÉDÉRAL DE L'ÉNERGIE • DIVISION MÉDIAS ET POLITIQUE • 18.1.2018 7

Introduction



GROUP-IT ?

Grouped tendering call for home owners

Removal of barriers

3'500 offers since 2018

400 roofs installed since 2018

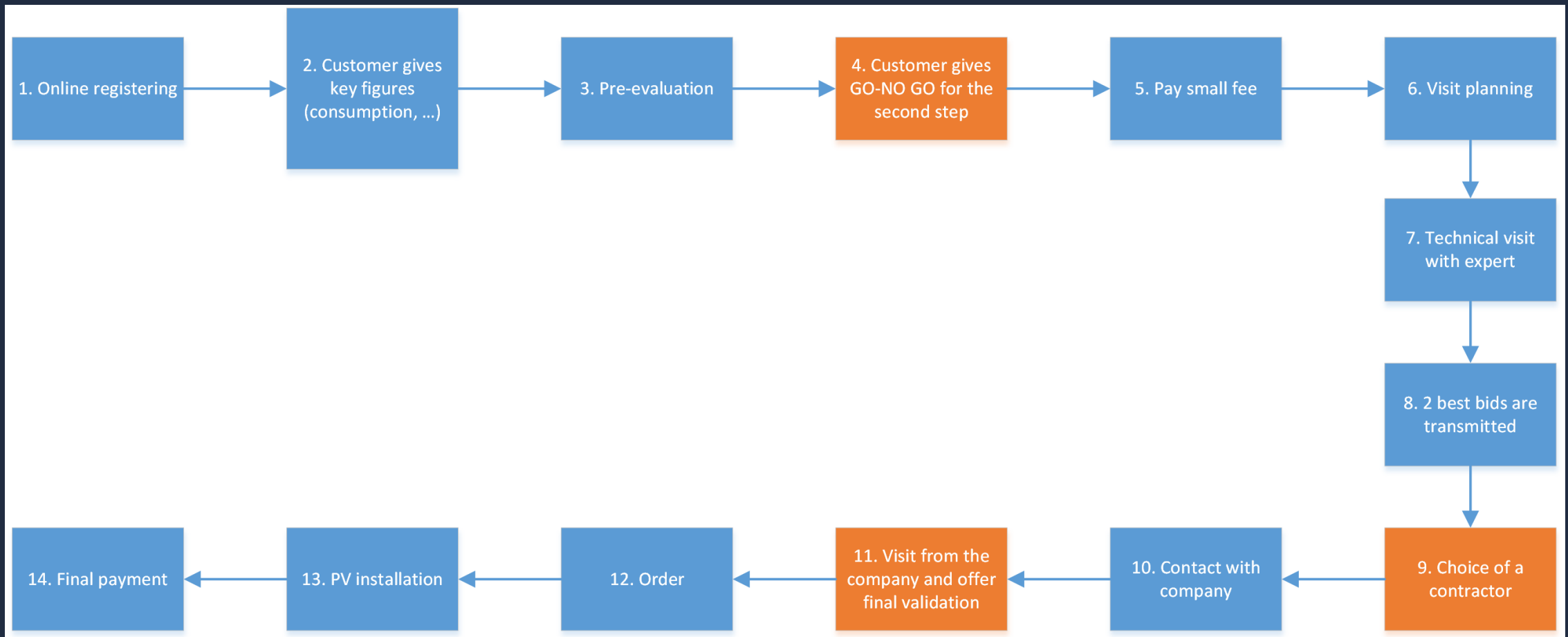
Use of precious collected data



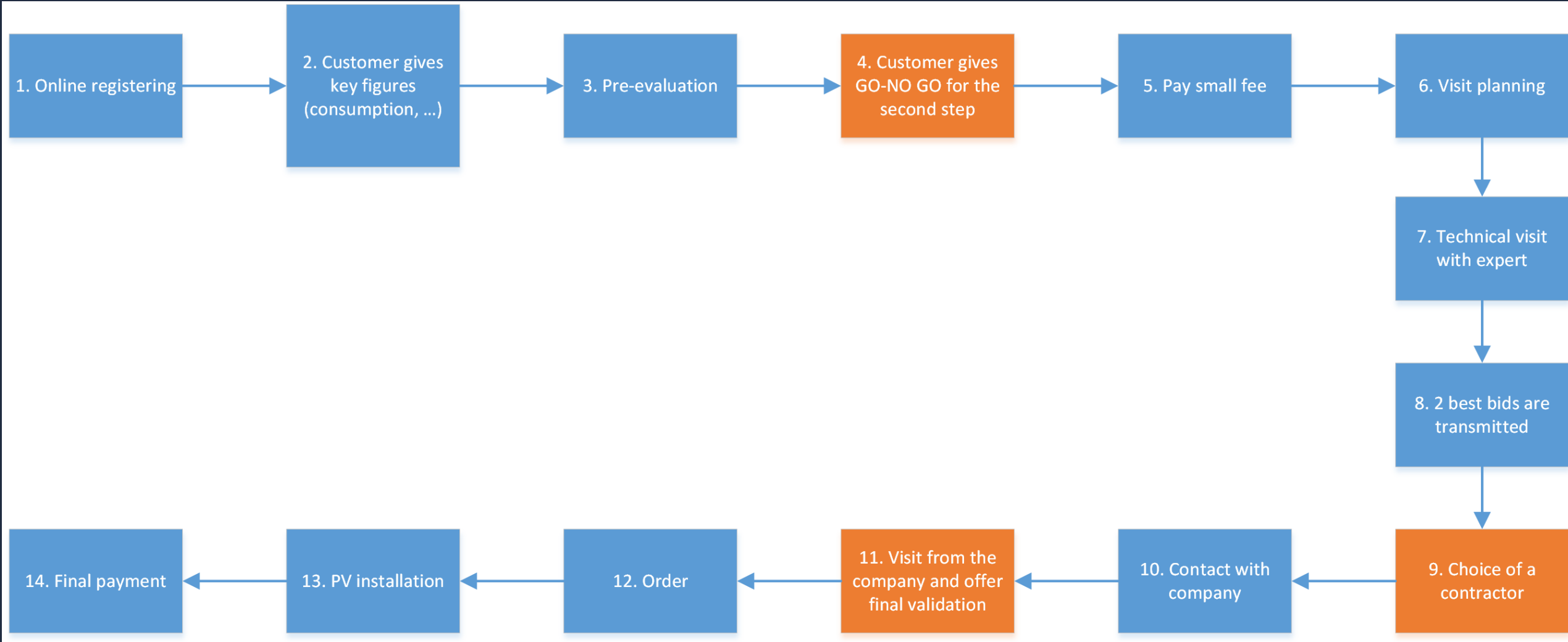
Méthodology



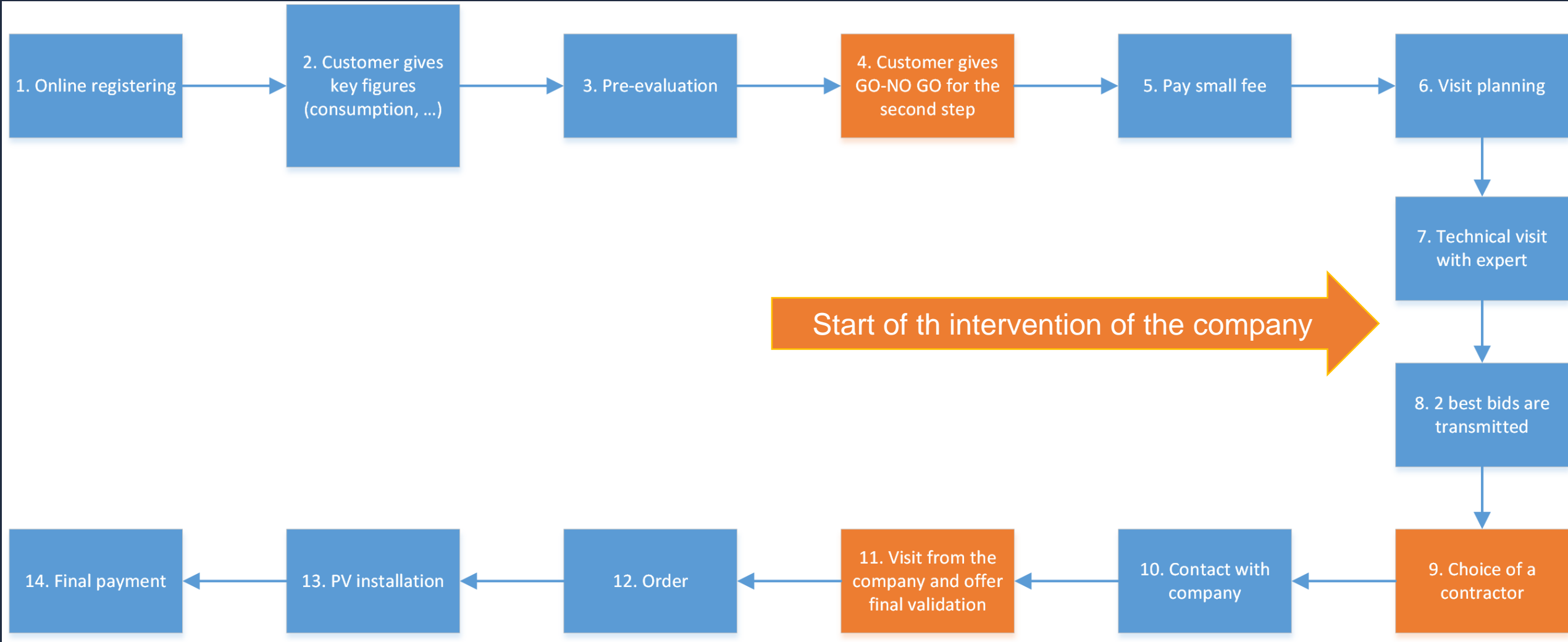
GROUP-IT process as seen by the customer



Méthodology



Méthodology



Méthodology



Is the price optimal ?

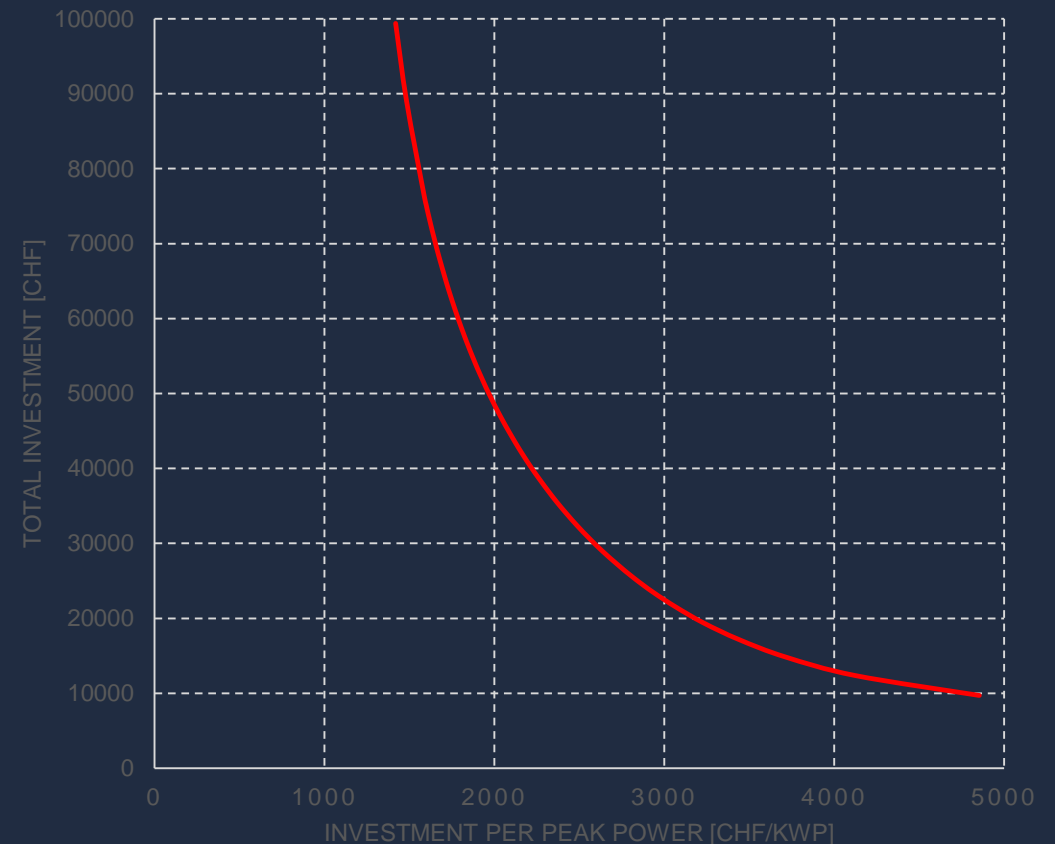
Constrained data

- Size and orientation of the roof
- Minimal power mandatory

Free data

- PV panel quality
- Enterprise efficiency

Pareto front



Evaluation of the quality of the offers

Many phases

- First tendering call
- Information given to the company (position)
- Second tendering call

For each company and each call: R^2 as a measure

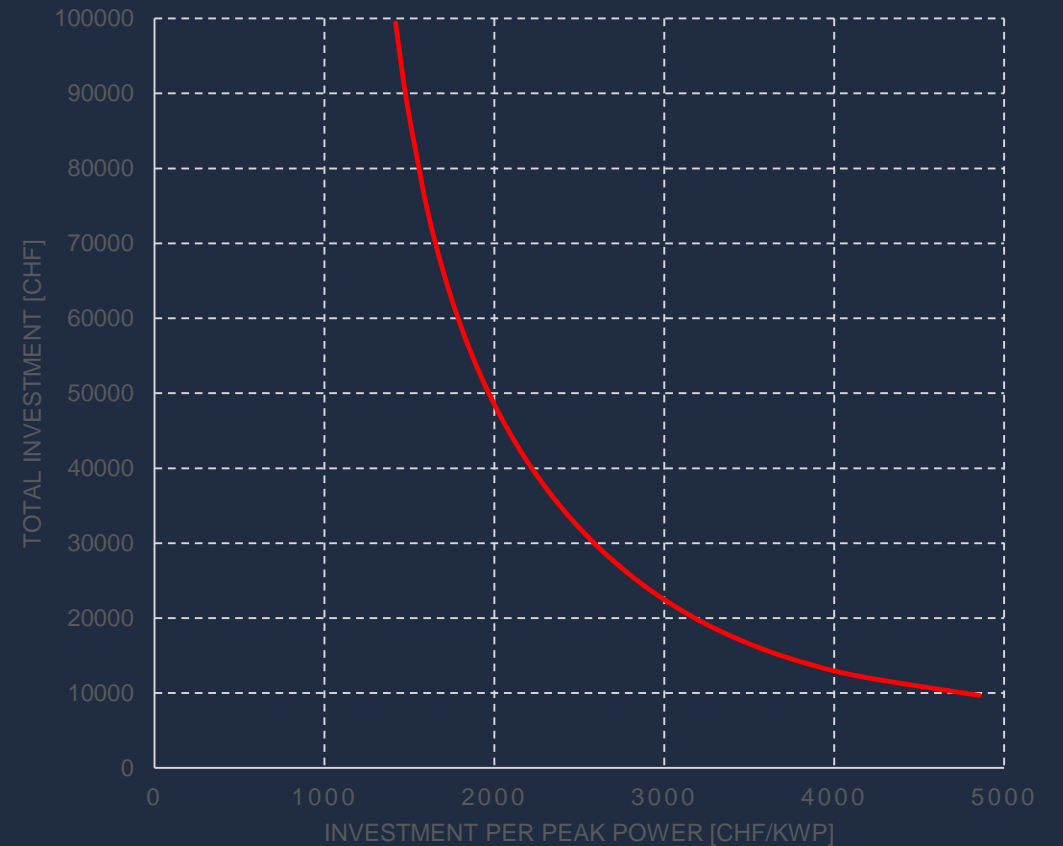
Results



Reference curve

Swiss federal office of energy

$$R^2 = 0.9992$$



Calls for tenders

Result	First call	Second call
Valid offers	2142	637
Enterprises	38	16
Average R ²	0.655	0.733
Minimum R ²	0.205	0.537
Maximum R ²	0.957	0.894

Transversal analysis (summary)

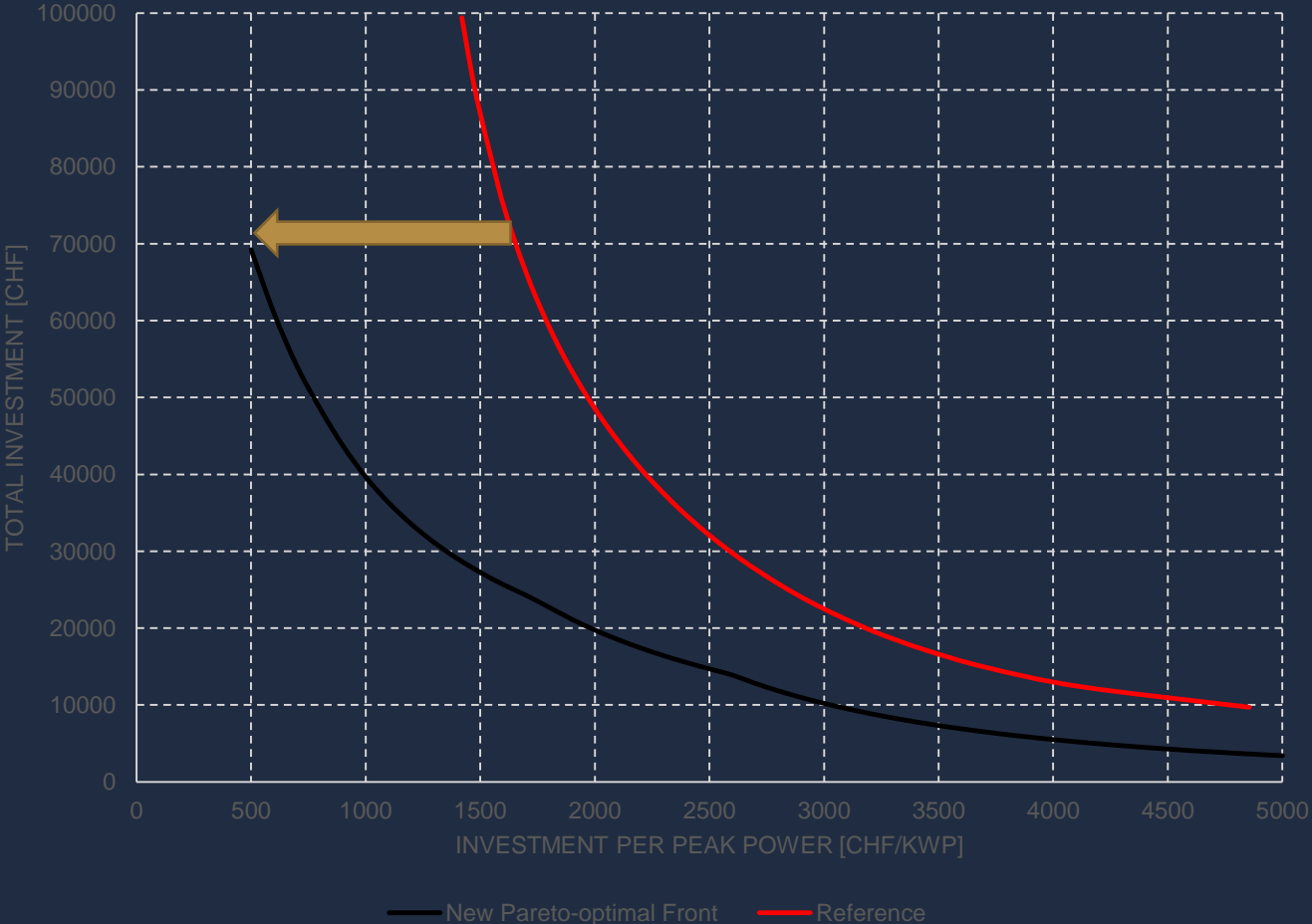
Résultat	First call	Second call
Enterprise A	0.519	0.643
Enterprise B	0.869	0.835
Enterprise C	0.926	0.537
Enterprise D	0.206	0.750
Average R²	0.682	0.737

Results



New Pareto front

Offset 1'000 - 1'500 CHF/kWp



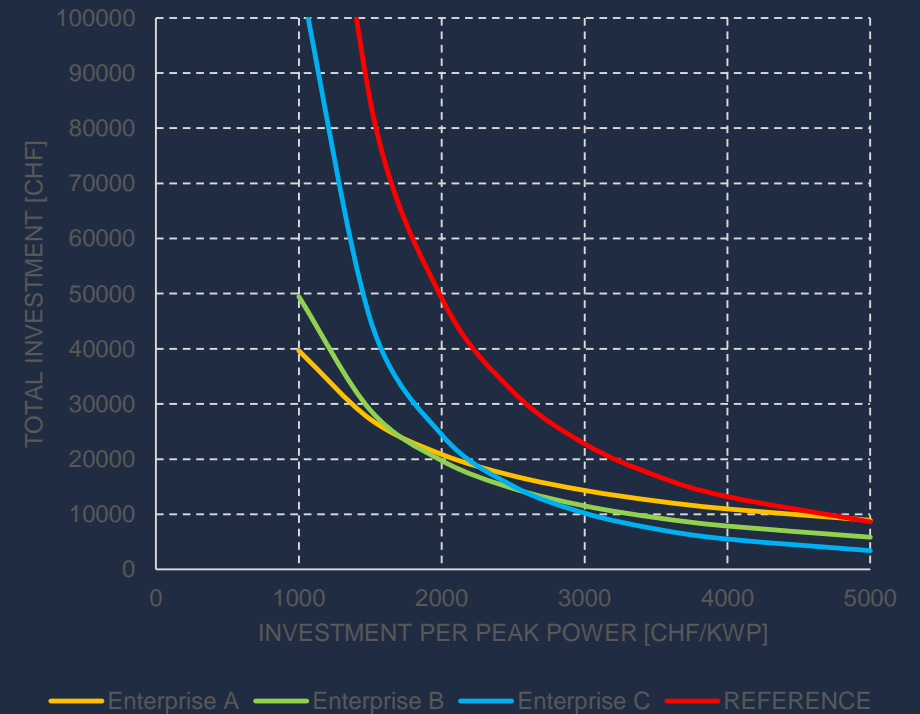
Discussion



Average R^2 increases
Minimum R^2 increases sharply
Maximum R^2 : low increase
Professionalization of the industry

Company specialization

about 1'000.- CHF/kWp cheaper



Conclusion

Success of the Group-IT process :

- Encourages installation of PV solar panels
- Helps companies to become more professional

Search for massification through franchises



Foundation stone

INTERREG projects are setup in Grenoble, Faverges (F-HS), St-Martin (CH-VS), Corbeyrier (CH-VD)

- Citizens as actors of the energy transition
- Facilitating energy transferts
- Optimize the share of self-consumption
- Development of local services