



23rd World Gas Conference, Amsterdam 2006

SECURING INDUSTRIAL SAFETY OF UNDERGROUND

GAS STORAGE FACILITIES IN GAZPROM

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UGS FACILITIES FUNCTIONS

Reliable
gas export
delivery

Delivery of additional
gas volumes
in an anomalous
cold winter season

**Seasonal
peak-shaving
in the Russia**

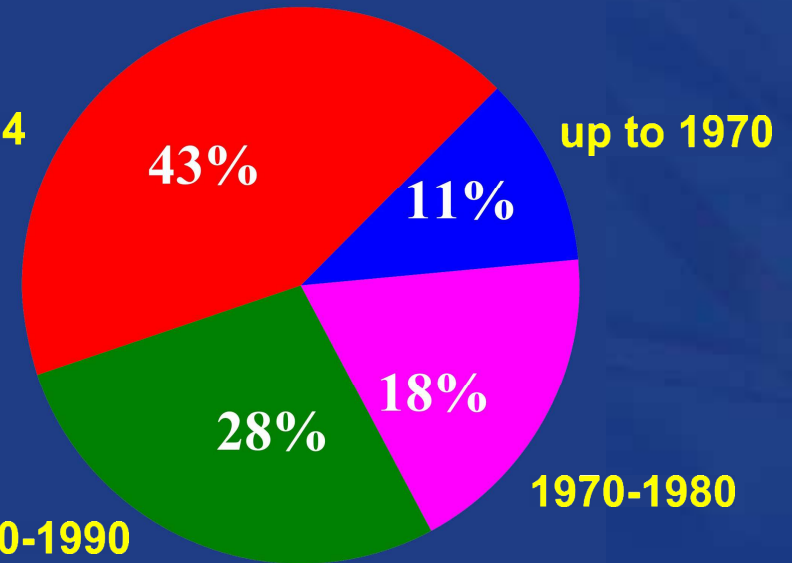
Long-term
reserve
build-up

Gas delivery
in emergency

UGS FACILITIES COMMISSIONING

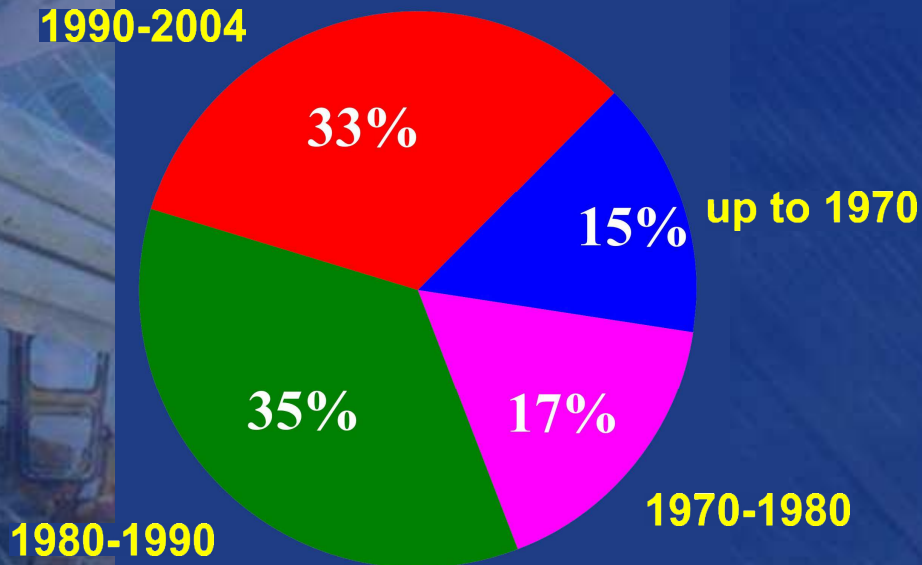
GAS TREATMENT UNITS


1990-2004



WELLS

1990-2004



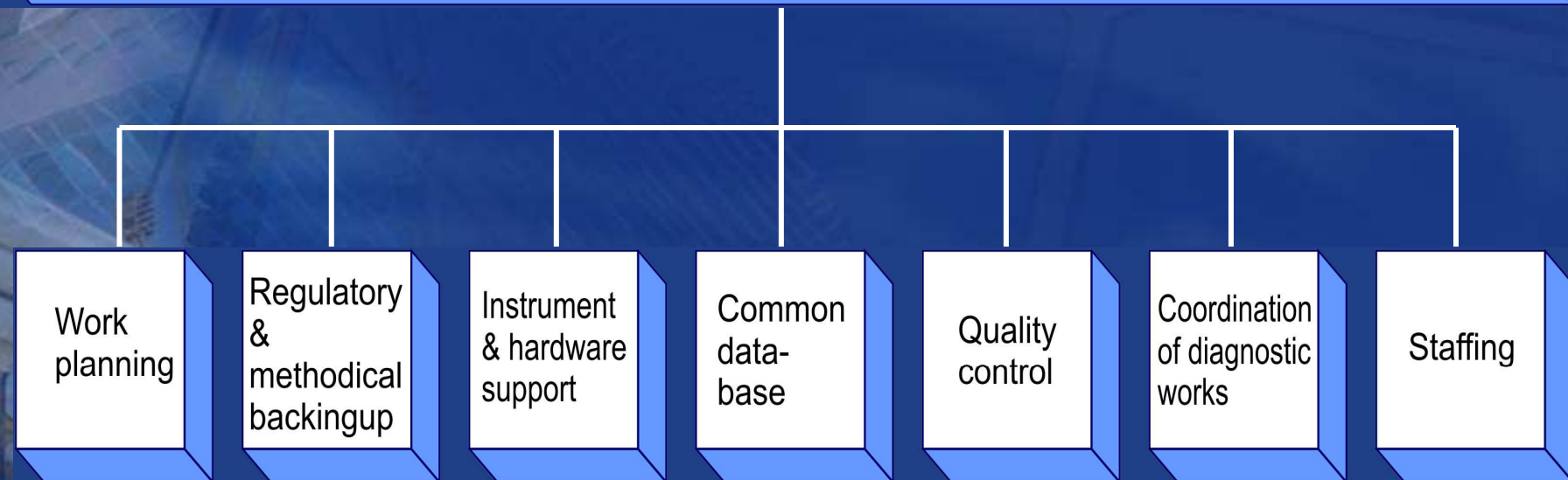


The industrial safety and diagnostic quality assurance system developed under the auspices of the Underground Gas Storage Department is intended for the following purposes:

- provision of the accident-prevention protection for the vital personal interests and those of OAO Gazprom at the UGS technical facilities, protection against the accident consequences by means of prevention of emergency failures of engineering devices, equipment and installations, as well as reduction of the probability of breakdowns and incidents, first of all, those of them which may entail loss of life;
- ensuring safety and operation efficiency of the UGS engineering devices, equipment and installations;
- reduction of environmental damage due to the UGS operation in OAO Gazprom, as well as economic losses caused by accident management;
- assurance of the works performed on examination of the industrial safety and diagnostics of the UGS engineering devices, equipment and installations;
- prolongation of the service life of the UGS engineering devices, equipment and installations through reasonable extension of their safe operation;
- repair and maintenance of the engineering devices, equipment and installations in accordance with their actual technical condition;
- forecasting the technical condition of the engineering devices, equipment and installations and elaboration of well-grounded recommendations on their further operation;
- operation costs reduction;
- standardization and implementation of information, methodical and metrological backing of the industrial safety examination and diagnostic system in OAO Gazprom;
- perfection of the normative and regulatory system for the UGS facilities' operation in OAO Gazprom;
- encouragement of import-substituting hi-tech diagnostic equipment and nondestructive inspection aids;
- optimization of expenditures on diagnostics and examination of the industrial safety through the development of a multilevel package of examination and diagnostic works;
- training and professional improvement of specialists in the field of industrial safety examination and diagnostics of the UGS technical objects in OAO Gazprom.

STRUCTURE OF UGS INDUSTRIAL SAFETY EXAMINATION & TECHNICAL DIAGNOSTICS SYSTEM IN GAZPROM

UGS TECHNICAL DIAGNOSTICS AND INDUSTRIAL SAFETY ASSURANCE SYSTEM IN GAZPROM



EXAMINATION & DIAGNOSTICS VOLUME BY TYPE OF WORK & YEARS

