Constraint Technologies

PEGASYS AI

"Transforming Aviation Reporting Through Natural Language AI"

PEGASYS AI

PegaSys AI is an intelligent reporting platform designed to simplify operational aviation reporting.

Using Large Language Models (LLMs), dedicated SQL AI, and a schema-aware Knowledge Bundle, users can ask operational questions in plain language and instantly receive meaningful results from the PegaSys database.

No SQL expertise required.
No custom report development.
No reliance on technical teams.

Questions can be asked in virtually any language, with results viewable instantly or downloadable as CSV files.

INTELLIGENT AI-DRIVEN

PegaSys AI combines advanced AI technologies to generate operational insights quickly and efficiently.

Key capabilities include:
- Automated SQL generation
- Schema-aware Knowledge Bundles
- Intelligent Error Detection & Correction
- Automatic Query Retry Mechanisms
- CSV Export Functionality

If generated SQL encounters syntax or execution errors, the platform automatically attempts to correct and retry the query, helping users focus on operational investigations rather than technical report creation.

ASK QUESTIONS IN NATURAL LANGUAGE

Users can ask ad hoc operational questions without relying on pre-built reports.

Example questions include:
- "Give me the top ten crew for taking sick leave in March 2026"
- "What is my allowance cost in April 2026?"
- "How many captains have an SEP expiry in the next month?"
- "Which crew and how long was each crew sick in March 2026?"

Questions can be submitted in virtually any language, helping make reporting more intuitive and accessible across international teams.

MAKE DATA ACCESSIBLE TO EVERYONE

PegaSys AI removes the traditional barriers associated with operational reporting by allowing users to interact with data naturally.

Designed for:
- Operations Teams
- Planning Teams
- Crew Controllers
- Analysts
- Management & Executives

Whether asking high-level operational questions or highly specific crew investigations, users can quickly retrieve information without requiring SQL knowledge or understanding complex database schemas.

Constraint Technologies
Level 17, 461 Bourke Street,
Melbourne VIC 3000

Website: www.constrainttec.com
Email: info@constrainttec.com