

Unlock Seamless Safety Management with the KISS-API[™]

Your Digital Bridge to a Connected Process Safety Management Ecosystem

Stop letting critical safety data sit in silos. The **KISS-API[™]** (Application Programming Interface) is the definitive digital bridge that allows the [Kenexis Integrated Safety Suite](#) to communicate seamlessly with your existing enterprise and engineering software.

By knocking down barriers between systems, the **KISS-API[™]** automates vital process safety management workflows, minimizes tedious manual data entry, and slashes the risk of human error. The result? A single, unified source of truth that empowers your team to make faster, more informed, and proactive safety decisions.

Why Integrate with the KISS-API[™]?

The API empowers your engineering and management teams to programmatically access, manipulate, and synchronize data across your entire software ecosystem.

- **Automate Workflows:** Push up-to-date equipment data directly from your external asset management systems into your PHA or SIL verification studies.
- **Eliminate Data Silos:** Exchange critical safety data effortlessly between the Safety Suite and your ERP or Maintenance Management (CMMS) systems.
- **Drive Proactive Decisions:** Ensure that all stakeholders—from front-line engineers to senior leadership—are always working from a live, accurate view of your organization's total risk profile.

Core Features at a Glance

- **Data Read/Write Access:** Securely access, extract, and update core study data from industry-leading modules like [Open-PHA[®]](#) and [Vertigo[™]](#).
- **Workflow Automation:** Sync your safety intelligence directly with corporate infrastructure, allowing systems to talk to each other without human intervention.
- **Custom Reporting:** Extract raw data to fuel advanced analytics and generate highly tailored compliance documentation outside of the native application.
- **Extensible Platform:** Go beyond the suite by creating custom, proprietary applications that leverage Kenexis' robust, battle-tested safety calculations and methodologies.

How It Works under the Hood

The Kenexis Integrated Safety Suite utilizes an open, modern API architecture to facilitate powerful, secure data integrations.

For example, using the *Open-PHA Get Study API* call, an external corporate data warehouse can send a standardized request directly to KISS to retrieve a complete Process Hazard Analysis (PHA) study. The API securely authenticates the request and instantly returns the organized data in a clean, structured **JSON format**.

This automated retrieval allows company-wide reporting systems to synchronize with your most current risk analysis information, instantly eliminating the need for manual exports and data transfers.



KISS API

- Introduction
- Authentication
- Users
- Open PHA
 - Study
 - Get Study
 - Get All Study Revisions
 - Get Study Revision Details
- Documents
- Safeguards
- PHA Recommendations
- LOPA Recommendations
- Check List Recommendations
- Vertigo

GET Get Study

https://kissapi.kenexis.com/api/openpha/study

Get an Ensis PHA Study for the scope defined by the KISS Integration ID (which must be included in the Kiss-Token header. Returns the study data in JSON format similar to an unencrypted Open PHA Desktop *.opha file but excluding the study settings.

KISS Integration ID's are scoped to one Open PHA study. Retrieving study data for a larger scope (e.g. an entire Facility) will necessitate multiple API calls with differing KISS Integration ID's. Changing the integration ID does not require a request for a new JWT.

HEADERS

```

Authorization: Bearer *****
Kiss-Token: *****
            
```

Example Request

```

curl --location 'https://kissapi.kenexis.com/api/openpha/study' \
--header 'Authorization: Bearer *****' \
--header 'Kiss-Token: *****'
            
```

Example Response

```

{
  "Success": true,
  "Study_Name": "Texas City Gas Plant HAZOP",
  "Study_Lead/Owner": "Seawell Ann Gray",
  "Study_Lead/Owner_Email/Phone": "seawell.ann.gray@kenexis.com",
  "Facility": "Bayou Bay Gas Plant",
  "Facility_Location": "Chemical City, Texas, USA",
  "Facility_Design": "S000",
  "Oversee_Combat": ""
}
            
```

Spotlight: Supercharge Your Business Intelligence

Transform your static study results into a dynamic, interactive experience. The KISS-API™ unlocks powerful business intelligence for your PSM program by creating a direct, live link between your safety studies and enterprise reporting tools like **Microsoft Power BI®** and **Tableau®**.

Automatically pull rich, structured data out of the Safety Suite, including:

- Every mapped scenario and consequence
- All documented safeguards
- Live tracking of outstanding safety recommendations

Once loaded into your BI tools, this data becomes a dynamic report. You can sort by priority, filter by facility or study team, and drill all the way down to the individual recommendation level, ensuring your risk reduction action items are always visible and actionable.

Below is an example of an interactive Power BI® Report:

