



Management- und Technologieberatung AG

## **Pharmacovigilance Services**

Business Area Drug Safety

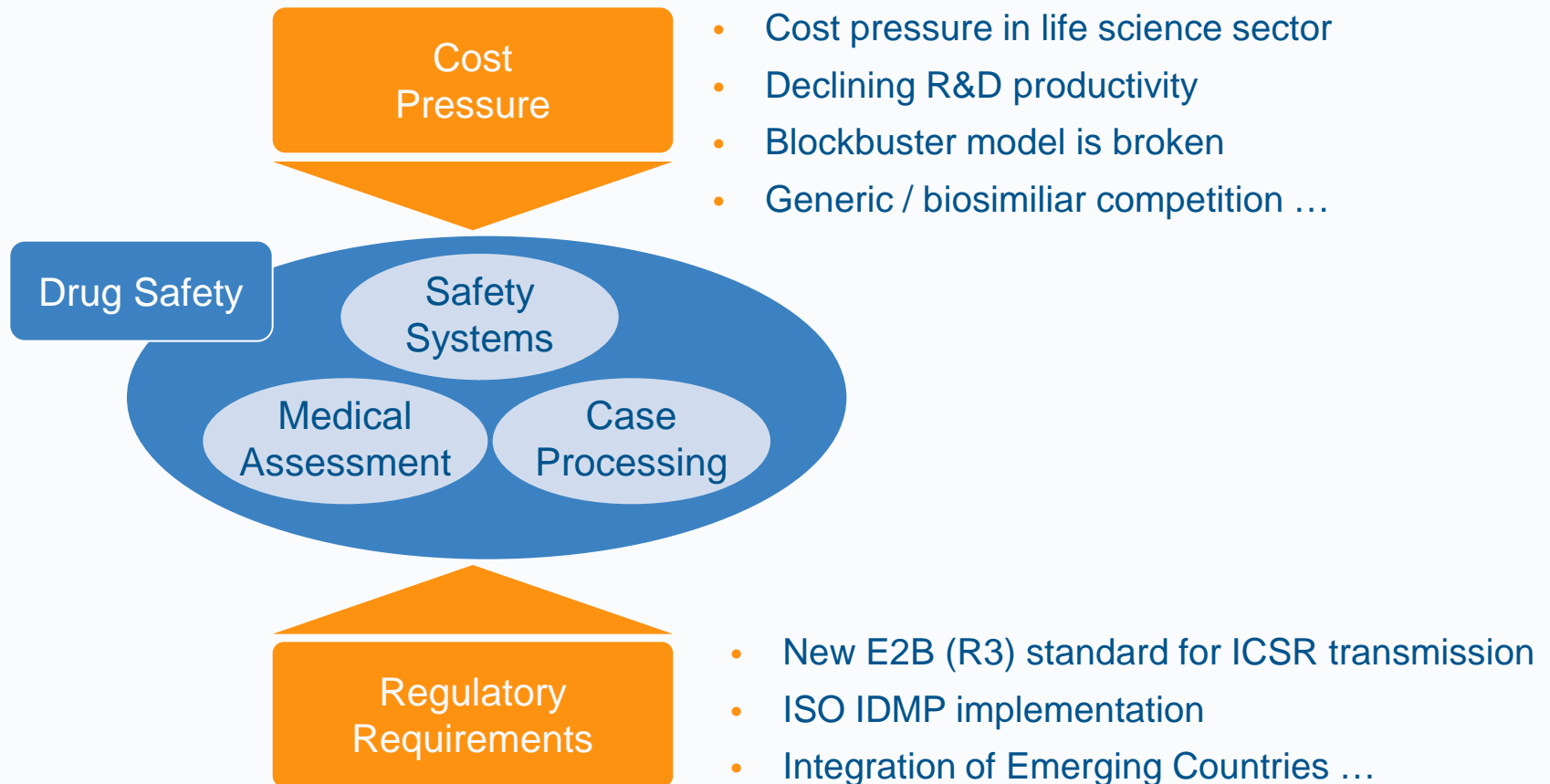
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# Need for Action

## Challenges for Drug Safety

Drug Safety is in the pincer grip of cost pressure and regulatory requirements



# Need for Action

## Cost Pressure & Regulatory Requirements



New regulatory requirements and increasing cost pressure translate directly into changes of related business processes and safety systems

- Upcoming new E2B standard (E2B R3)
- ISO IDMP implementation (Identification of Medicinal Products)
- Increasing importance of emerging countries with a broad diversity and frequent changes in local regulations
- Increasing cost pressure in life science sector

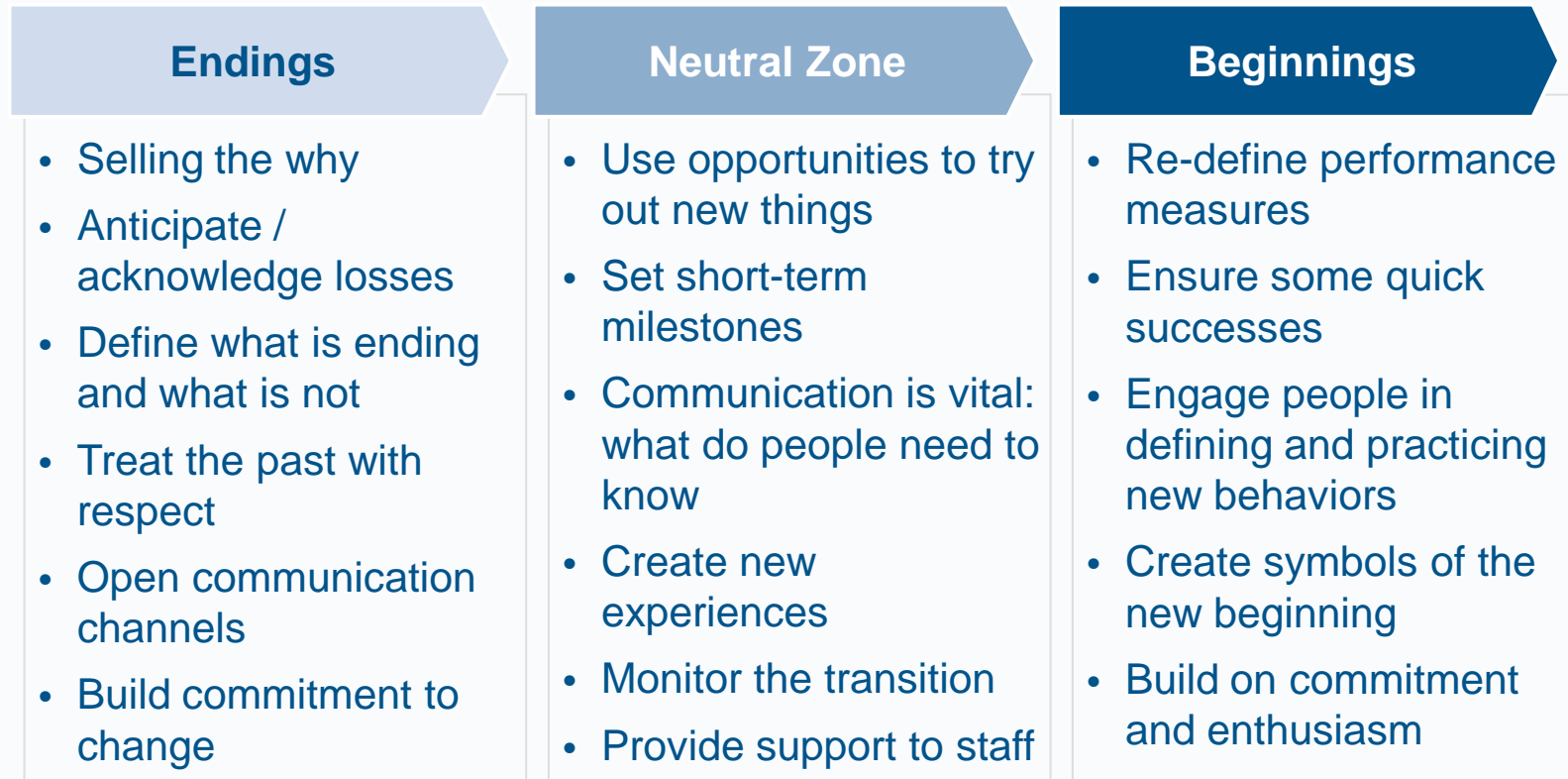
- ▶ Integrate E2B R3 readiness project into internal roadmap considering IT projects as well as business impact
- ▶ Prepare for IDMP requirements by ensuring a cleaned and standardized drug dictionary
- ▶ Setup strategy for integration of specific requirements of emerging countries into global processes
- ▶ Strive for standardization of system setup to reduce maintenance costs
- ▶ Implement lean processes within pharmacovigilance operation teams

Deep pharmacovigilance business knowledge enables JSC to provide significant benefit to respective business units

- Review, streamlining and **design of business processes** incl. **standardization** of local and global processes and tools
- Accompanying **change management** for smooth roll-out of new processes and tools into the organization
- Bringing business processes to the operational layer by providing **standard operating procedures, work instructions, training materials, and user manuals**
- Translation of generalized business expectations into **precise IT project requirements**
- Support of **industry standardization programs** (e.g. ArisGlobal Industry Standard Platform ISP) including incorporation of company needs \*

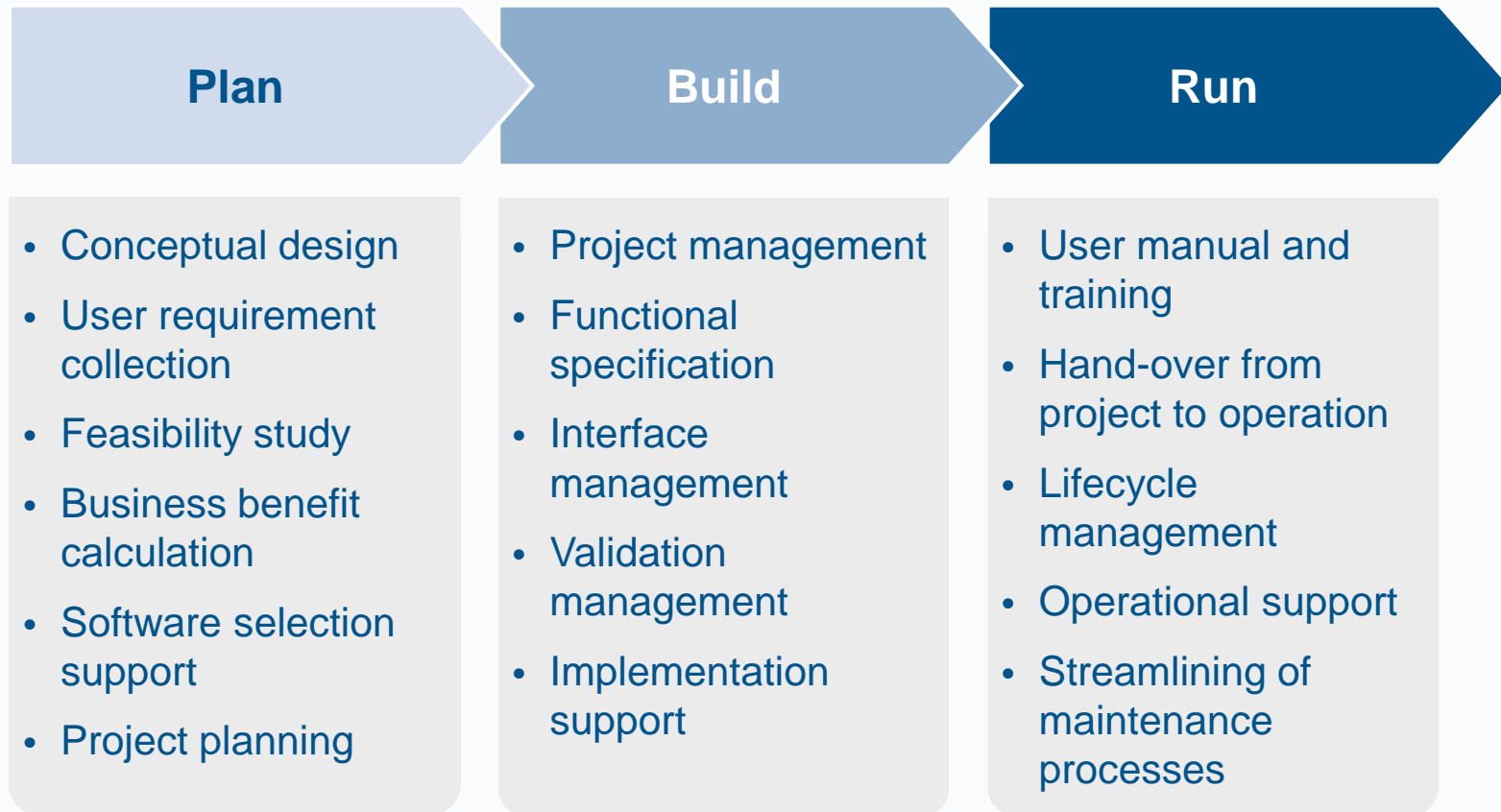
\* subject to acceptance of the program owner

With respect to change management JSC recommends a 3-step approach giving affected staff substantial time for positive re-orientation



*Consistent, complete, convincing, open, and timely communication*

In general, JSC offers a broad range of services covering the entire life cycle of IT projects in Drug Safety



JSC has several years in-depth experience in upgrade and integration projects related to ARISg/j safety database systems

2003 ... 2006

2007 ... 2011

2012 ... 2014

Product evaluation  
and decision support

### ARISg v3

- Integration of legacy data
- Version upgrade
- **eReporting** implementation
- eReporting roll-out
- Automated case distribution to affiliates and partners

### ARISg v5

- Version upgrade
- **Merge** of two Safety Databases
- Call Center integration
- eReporting FDA
- **ARISj** implementation and eReporting PMDA
- Drug Dictionary **data cleaning**

Product evaluation  
(recommended)

### ARISg v7

- **E2B R3** Readiness Study
- **IRT** implementation (Inbound, Receipt, Triage)
- **OST** evaluation (Outbound Submissions Tracking)
- Evaluation of external hosting options
- Version upgrade



JSC has also in-depth knowledge for integration of Japanese affiliates into safety processes and systems

### Process integration

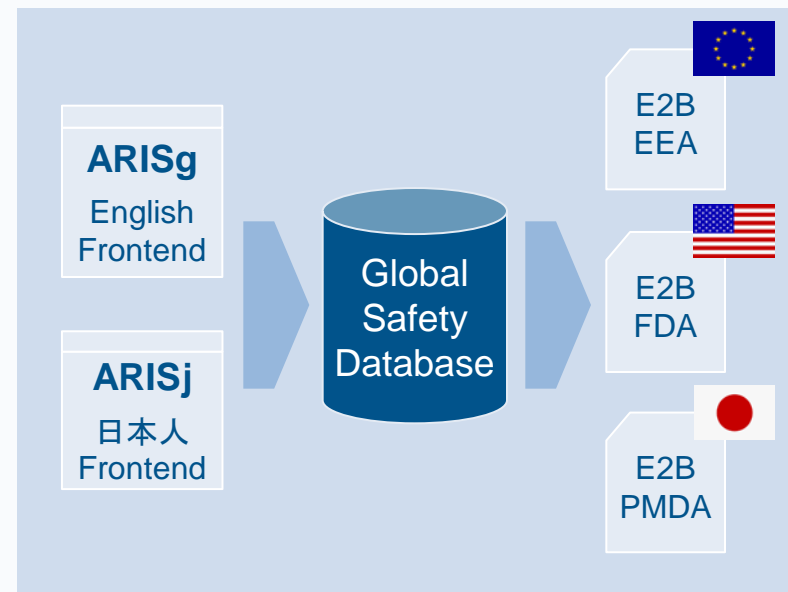
- ▶ Unification of data entry and medical assessment processes
- ▶ Integration of local assessment capabilities

### Safety System integration

- ▶ Implementation of a fully integrated solution with one single global safety DB
- ▶ Integration of legacy data and decommissioning of local legacy system

### Reporting to Health Authority

- ▶ Electronic reporting to Japanese Health Authority PMDA
- ▶ Cumulative reporting via JPSUR, CSUJ and customer specific Japanese reports



JSC has a proven track record regarding successful projects in the reporting and signal detection area which are of sensitive importance

Design and setup of a business intelligence environment incl. ...

- standardized and human readable all purpose report templates for regulatory and company specific reporting requirements
- stand-alone modules for periodic and recurring reporting tasks for e.g. PSUR / DSUR, PSUSAR and for safety data exchange with partners

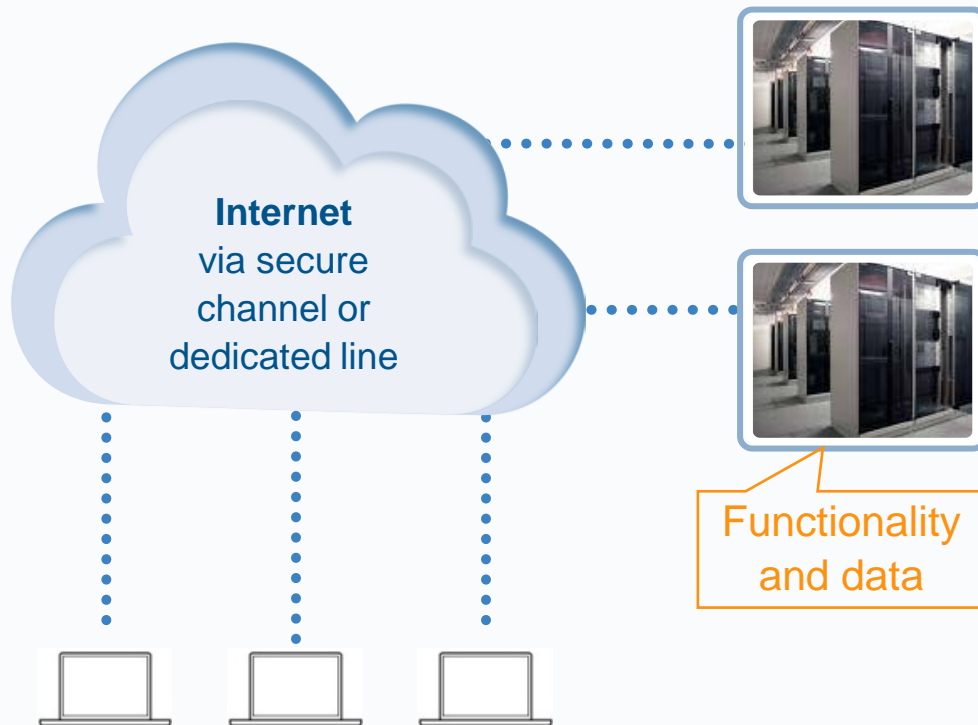
Implementation of a compliance tracking system incl. ...

- capturing of local reporting information, identification of delays and CAPA handling
- generation of corporate compliance reports

Implementation of a signal detection environment based on agSignals incl. ...

- integration of signal detection processes covering latest regulatory requirements (GVP Module VII)
- close collaboration with vendor to cover regulatory needs and client's processes

Software as a Service (SaaS) in the cloud becomes more and more attractive – its benefits are impressive ...



- + Consumption is billed on utility subscription or flat rate
- + Customer can participate in EoS benefits of the cloud provider
- + High scalability via dynamic resource provision – nearly real-time
- + High flexibility with regard to locations – Internet is the common platform
- + Avoids own extensive CapEx in hardware and software

JSC is the professional partner for successful SaaS implementation since we can act on both sides: business and IT

### Drug safety / pharmacovigilance

- Keep knowledge in-house for business critical processes \*
- Precisely define and allocate tasks to business units, own IT and external service provider
- Timely adjust own organization / capacity according to new service provisioning model
- Prepare own organization for less “functional freedom”
- Build-up professional provider management

### IT

- Consider different cloud solutions in the evaluation phase
- Safeguard control of information – check legal restrictions
- Consider impact on satellite systems \*\* and sensitive interfaces \*\*\*
- Precisely specify expected performance and reliability service levels
- Prefer pre-validated infrastructure environment

\* e.g. product safety profiles, product risk assessment, \*\* e.g. reporting, signal detection,

\*\*\* e.g. clinical development: data validation and reconciliation (DVR)

In case of any requests concerning Pharmacovigilance Services please feel free to contact our experts!



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