project «single, unified interface for diff apps»

# XUM

Xafari Unified PlatforM





#### Goals of the XUM project

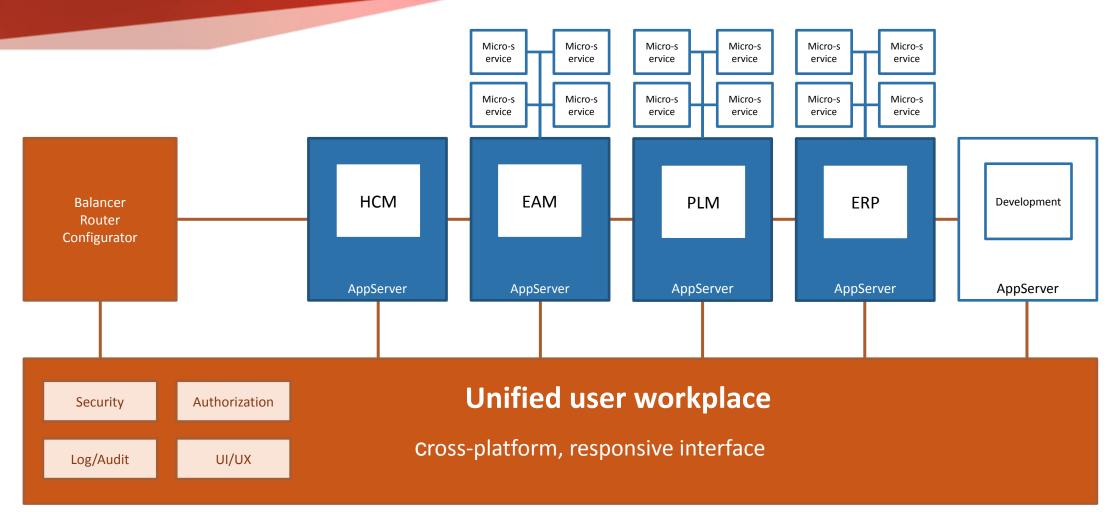
#### Combine all our systems in a single client workplace

- Combine all our EAM, AMM, HCM, ERP (XAF and non-XAF Apps)
- Single unified user interface
- Access to all functions and data of the combined systems
- Single Sign-on (SSO) and User Management

#### Support Web-client

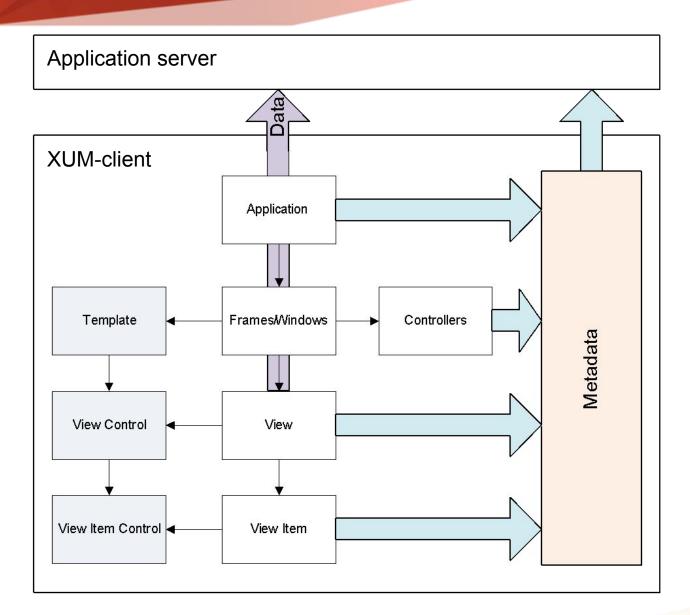
- Adaptive interface, including mobile devices
- Scalability of 1000+ active users
- Linux deployment
- Built-in test tools based on EasyTest scripts
- Three-tier architecture and scalability
  - Migration of monolith applications to micro-service architecture
  - Deployment in a scalable cluster
  - Zero deployment, CI/CD support

#### XUM: Unified user workplace



A single web portal providing access to all functions and data of connected applications and services

#### XUM: scheme of the client application



The client interacts with the application server through two channels: metadata transmission and data exchange (XData protocol, OData v4)

The metadata is cached on the client and can be used between different sessions

Metadata cache size and lifetime are defined application settings and the capabilities of the client machine

#### XUM: Load test results

## stable and comfortable work of **50** active users per **1** Core CPU

XUM scales well

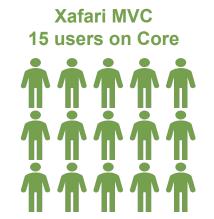
3 times better than Xafari.MVC (15 on Core CPU)

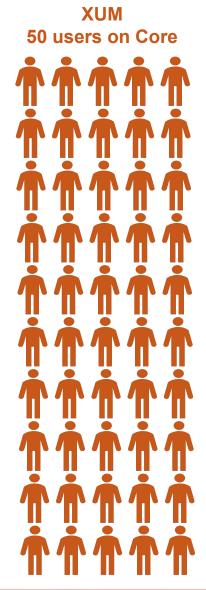
10 times better than XAF.WebForms (5 on Core CPU)

up to 1,000 active users up to 10,000 concurrent users

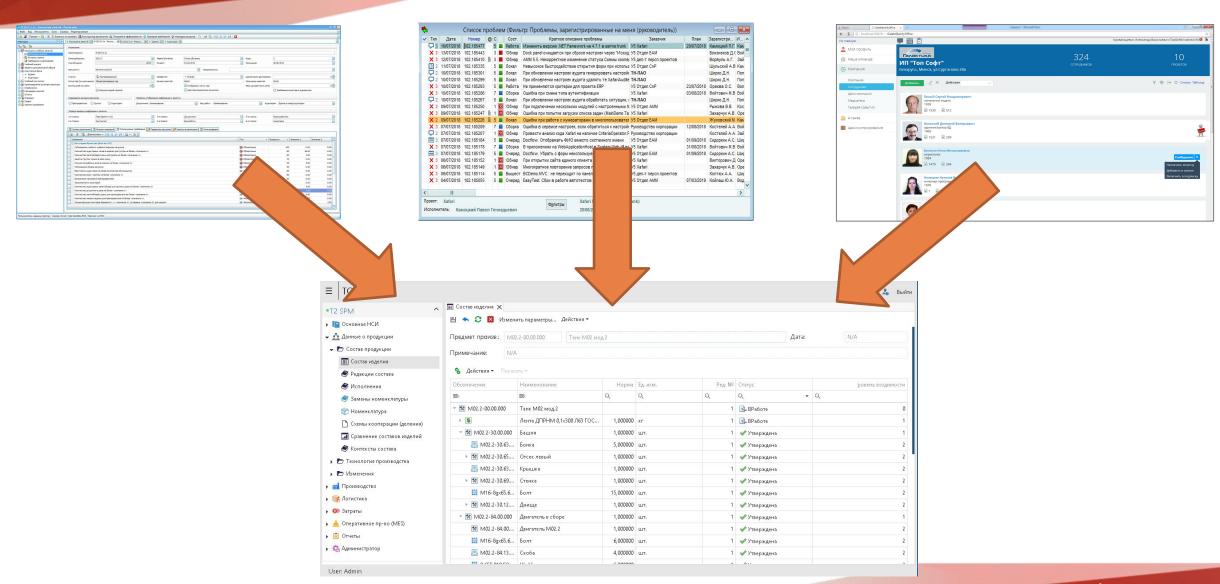




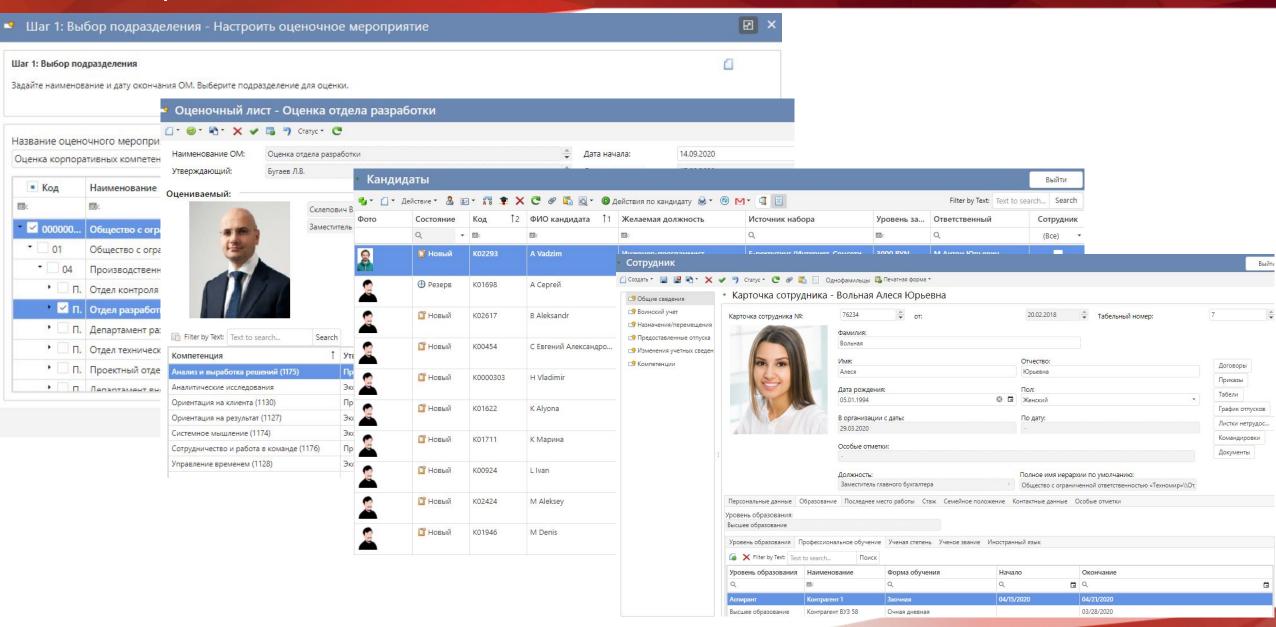




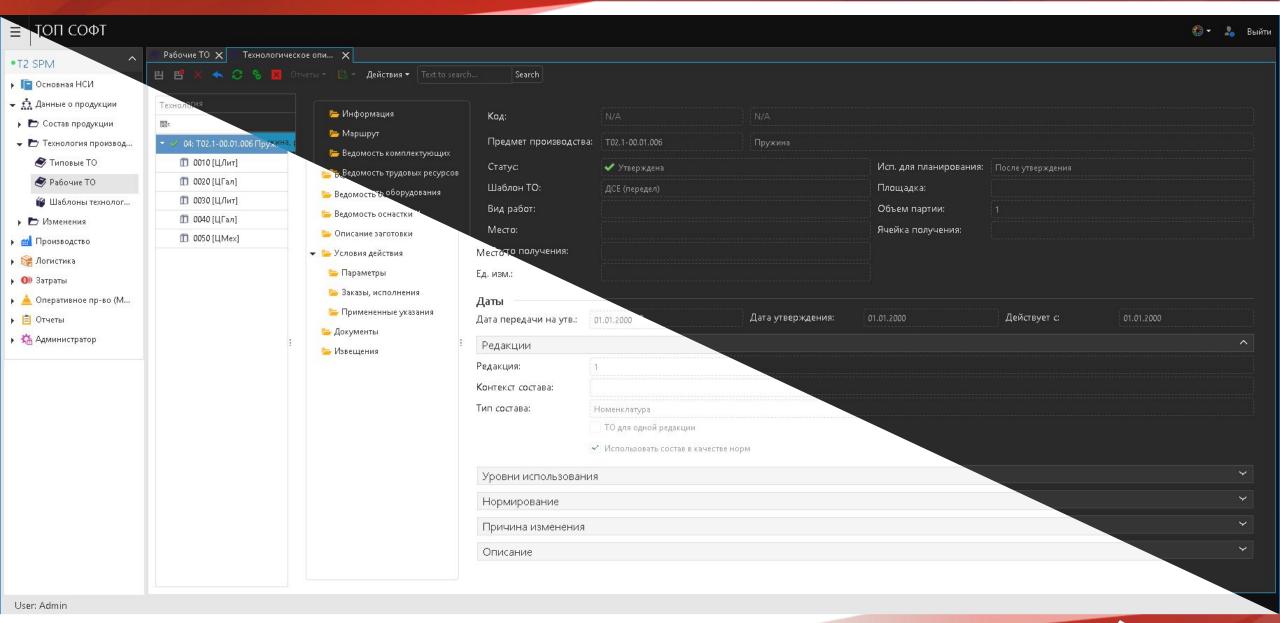
#### Single user interface - combining different applications



#### XUM: Adaptive User Interfaces



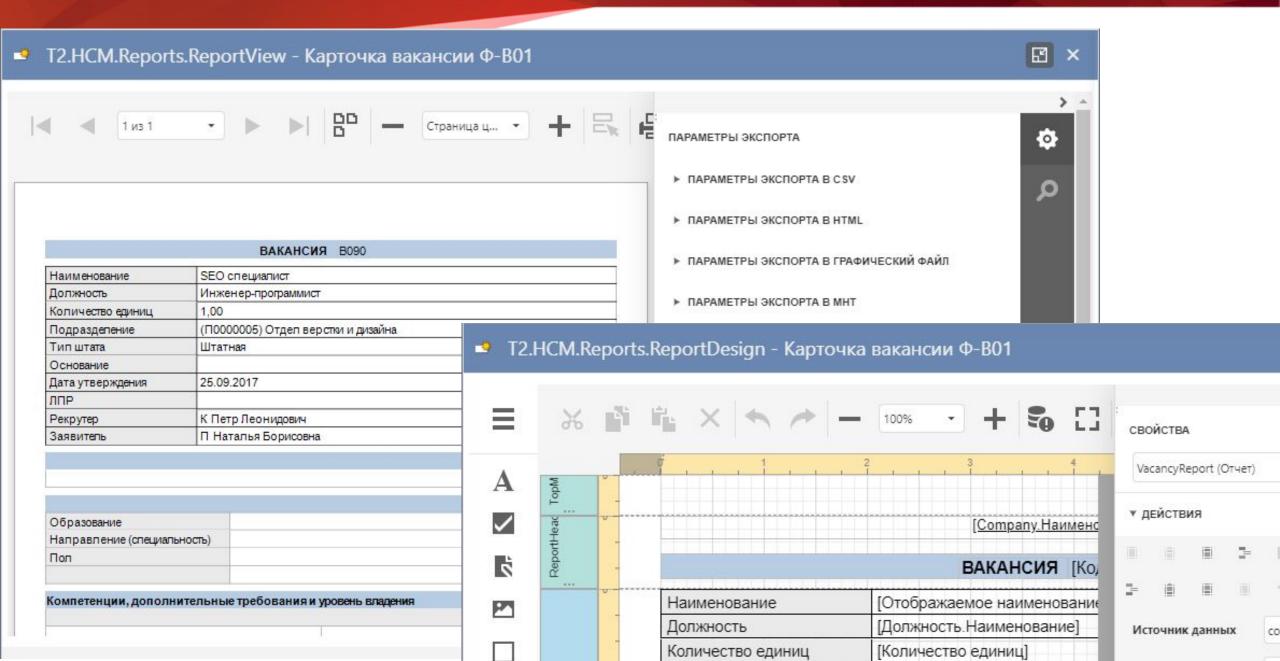
#### XUM: support themes



#### XUM: comfortable main menu

#### Сотрудники 7 **П**Организационный менеджме... 🕅 Подбор персонала Кадровое администрирование Обучение и развитие **Сотрудники** Обучающиеся Управление вакансиями Организационная структура Картотека сотрудников (штатных) Обучающиеся Планы вакансий Должности/профессии Ö Внештатные сотрудники Учебная группа ■ Профили должностей/профессий Заявки вакансий **Приказы** Целевые группы Вакансии Сотрудники Кандидаты на вакансии 🖥 Заявки ■ Организационно-штатная структура По основной деятельности Изменения планов вакансий Штатное расписание О служебных командировках Заявки на мероприятия.На участие Управление кандидатами ■ Штатное наполнение ■ По личному составу.К (75 лет) Заявки на мероприятия. На создание Изменение организационно-штатной структуры ■ По личному составу.Л (3 года) Заявки на программы обучения.На участие Кандидаты ■ По личному составу.Все Заявки на программы обучения. На создание События Оценка персонала **Графики отпусков** Мероприятия ■ Поиск резюме Управление кадровым резервом План-график отпусков Мероприятия ■ Оценочные мероприятия Позиции кадрового резерва ■ Оценочные листы Рабочие периоды ■ События Резервисты **Документы** Планирование обучения Мои оценочные листы. Заявки резерва Утверждение оценок Трудовые договоры Планы обучения Договоры подряда Изменения планов обучения Аттестация персонала Анкеты и тесты Допсоглашения 🖺 Программы обучения Персональные документы Преподаватели Аттестационные списки **Респонденты** Листки нетрудоспособности Планы-графики Преподаватели Респонденты Письма по кадровым вопросам Загруженность преподавателей Аттестационные комиссии Тестирование респондентов

### XUM: Report examples (T2 HCM)



#### XUM: deploy in HashiCopr Nomad cluster

#### **Features:**

- Scale the performance of individual components
- Monitor and control performance in real-time
- Automatic recovery from crashes and freezes

#### **Deployment:**

- XUM server
- Authorization server
- Log server
- Apps server

#### **Technologies used for cluster management:**

- HashiCorp Nomad
- HashiCorp Consul
- HashiCorp Vault
- Envoy













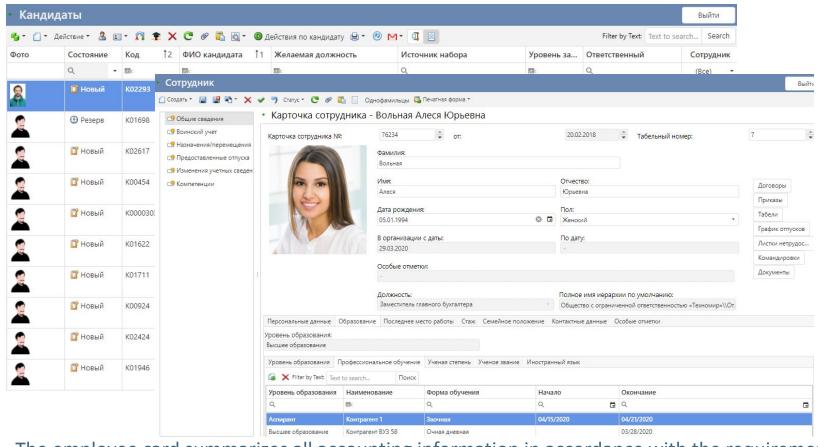




#### HCM application (Human Capital Management) based XUM



#### HCM: HR administration module

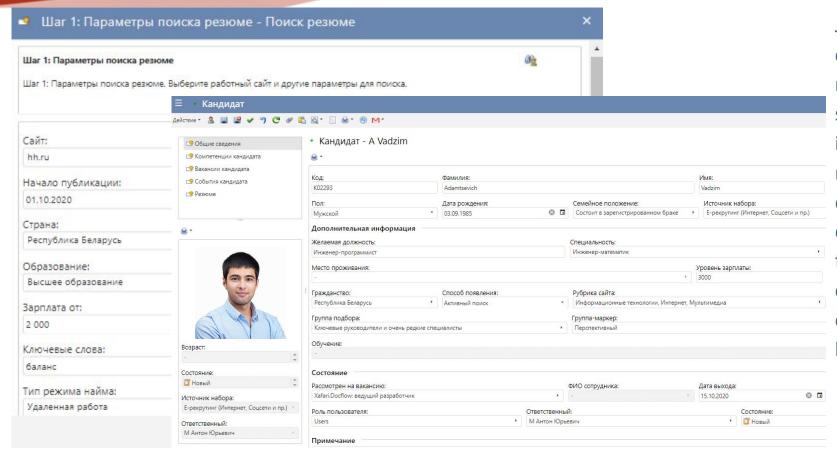


The module ensures the management of end-to-end business processes for the work of an employee at the enterprise: from hiring to dismissal. All actions are carried out on the basis of orders for personnel.

The approach of independent document management has been implemented. When carrying out an administrative action, you can, if necessary, select the primary document for work: an order, an employment contract (additional agreement), or vice versa.

The employee card summarizes all accounting information in accordance with the requirement, as well as related data (employment contracts, employee appointments, disability certificates, documents, business trips, etc.)

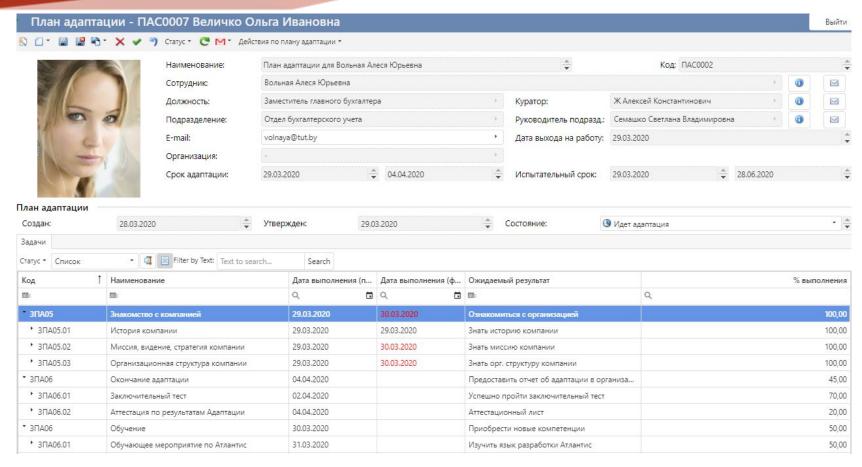
#### HCM: Recruitment module



Job requirements are drawn up based on the competency profile of a certain position, recruitment channels are selected and a system for receiving feedback from candidates is configured. With the help of the recognition mechanism in the resume of the necessary data, we get the most suitable candidates. The database of candidates allows you to quickly find suitable candidates in it. It is possible to customize the required cycle and form of communication with the candidate up to hiring.

The candidate card summarizes all the information you need to make a decision on hiring.

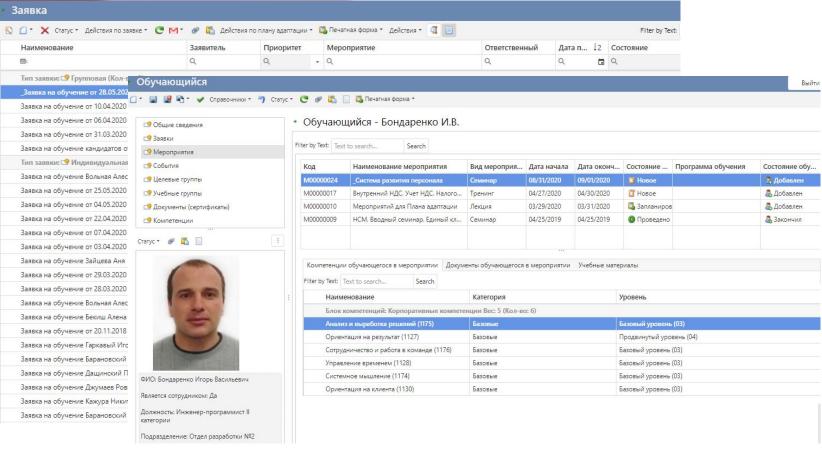
#### HCM: Personnel adaptation module



The system allows you to form templates of adaptation plans based on the profile of the position and draw up adaptation plans for a specific employee using the data obtained during the selection. The manager or the appointed responsible person needs to determine the reporting dates and, during and at the end of the period, evaluate the adaptation results and receive feedback for the further development of the employee and the adaptation process itself.

The adaptation plan includes a set of measures aimed at more effective inclusion of newly hired workers in the work process.

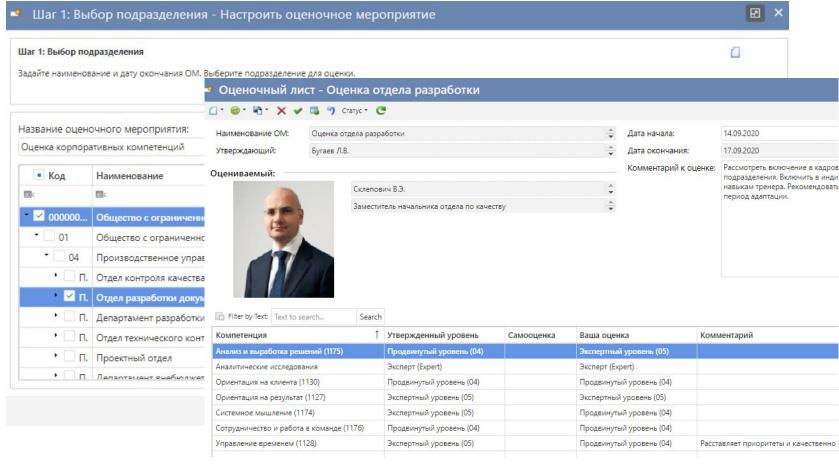
#### HCM: Learning and Development Module



The student's card concentrates all information about the acquired competencies and learning outcomes.

The system analyzes the training needs of personnel based on information on competencies, requirements for compulsory training and certification. Based on the analysis, applications for training are formed. Further, training and development activities are planned, plans and budgets are drawn up, schedules of events are formed taking into account the employment of training participants. The system notifies about events, enters data on the results of training, generates reports.

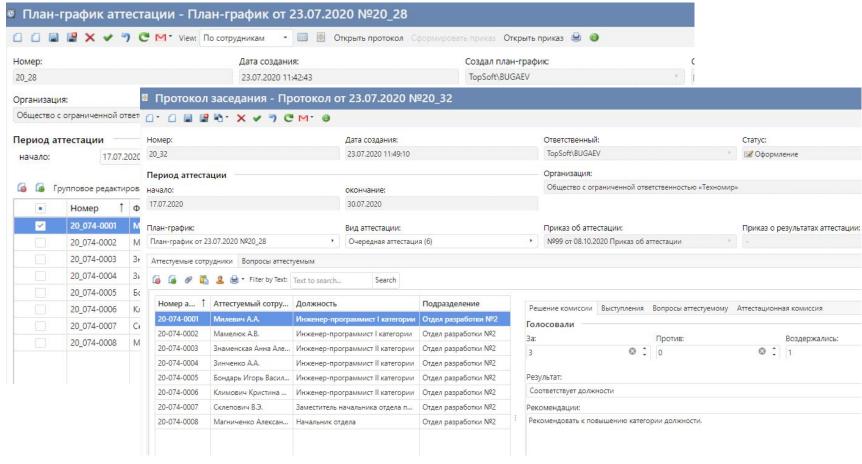
#### **HCM: Personnel Assessment Module**



The system allows assessing competencies, incl. according to the methodology 360 gr., use expert judgment, testing. When setting up an assessment event, we indicate the assessed, which competencies we are assessing or a ready-made profile of competencies, we choose who assesses, whether self-assessment is required and who approves. As a result, after carrying out the assessment activity, we receive an assessment profile of the employee and a report on which competencies are not sufficiently developed for the profile.

The assessment sheet contains the competencies selected for assessment in the settings of the assessment activity. Approved grades go to the employee profile.

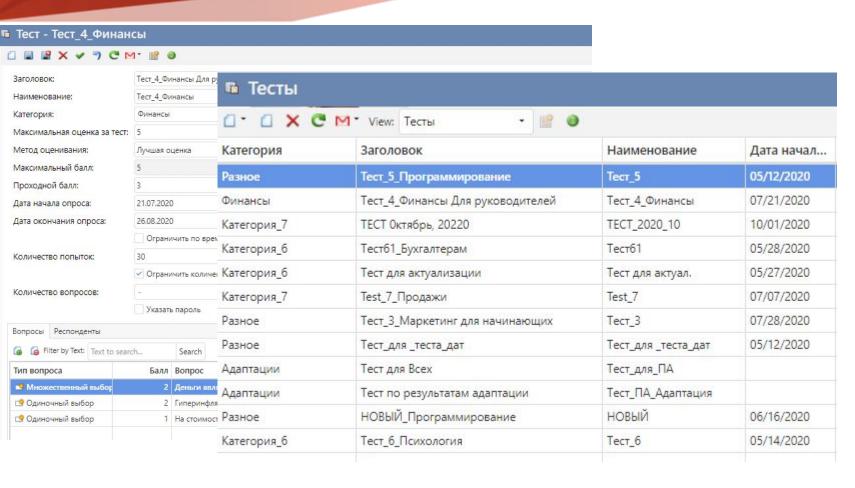
#### HCM: Personnel certification module



The module provides for the formation of all documents for passing the certification procedure: from the preparation of the certification list and the schedule to the preparation, filling out and approval of the minutes of the meeting, certification sheets, as well as the preparation of a draft order on the results of certification. In addition to operational data, the module allows you to perform an aggregated and detailed analysis of the current, completed and planned certification processes.

The attestation protocol contains information with the results of the work of the attestation commission, the results of voting and the decision made for each employee.

#### HCM: Module Questionnaires and tests



The user can develop new or use ready-made forms and conduct a survey or testing. The results of tests and questionnaires can be used when carrying out assessment activities, planning the development of employees, to correct the system of motivation, career growth, and when carrying out certification.

The test catalog contains all created and configured tests for selection when assessing knowledge, or other parameters necessary for studying