Claims

1. An arrangement for inspecting an object, the arrangement comprising: a mobile measuring unit comprising a measuring device for determining a measurement value assigned to the object, and the measuring unit has an interface for data exchange with further units of the arrangement, a base unit, in which data sets communicated by the measuring unit are storable and which has an interface for data exchange with the further units of the arrangement, a detection means for detecting at least one of: a measurement position at which the measurement value is determined, or a measurement time at which the measurement value is determined, wherein the measuring unit is designed to communicate a measurement value determined by the measuring unit at least together with a measurement position and/or measurement time detected by the detection means as a data set to the base unit, and the measuring device is designed for non-destructively determining measurement values concerning an internal structure and/or an internal state of elements of the object, the interface of the base unit is designed for linking to a public or proprietary external network, and the arrangement comprises a server to which the base unit is linked or linkable for data exchange, via the public or proprietary network, and the server is accessible by an authorized user via a network, the server comprises at least one stored data structure which is assigned to the object to be inspected, and the server is designed to supplement the data structure with data communicated by the base unit and to provide the supplemented data structure to the authorized user and/or a user on the site, the server is designed to provide a virtually accessible three-dimensional model of the object to be inspected to the authorized user and/or the user on site, and the data structure and the virtual model based thereon are created and are then continuously augmentable by the server with the data communicated by the base unit concerning of an internal structure and/or an internal state of elements of the object, wherein the object is a construction or a movable article.

2. The arrangement as claimed in claim 1, wherein the elements are components of the construction.

3. The arrangement as claimed in claim 1, wherein the detection means comprises a capture unit, which is designed and positionable before the determination of the measurement value at a measurement position in such a way that the determination of the measurement value by the mobile measuring unit is capturable photographically and/or on film by the capture device.

4. The arrangement as claimed in claim 3, wherein the mobile measuring unit is designed for determining a measurement value assigned to the object by a user on site and the determination of the measurement value is performed by the user on site.

5. The arrangement as claimed in claim 3, wherein at least one field of view which encompasses at least the mobile measuring unit and/or a user on site during the determination of the measurement value and surroundings of the measurement position is detectable with the capture unit.

6. The arrangement as claimed in claim 1, wherein a marking unit is present with which the measurement position is markable on the object.

7. The arrangement as claimed in claim 1, wherein a macro capture unit is present, with which direct surroundings of the measurement position are capturable photographically and/or on film.

8. The arrangement as claimed in claim 1, wherein the server is designed to provide the virtually accessible three-dimensional model in real time.

9. The arrangement as claimed in claim 1, wherein an instruction is communicatable by the authorized user via the server.

10. The arrangement as claimed in claim 9, wherein the instruction contains indications concerning the measurement position at which the measurement or capture is intended to be effected.

11. The arrangement as claimed in claim 10, wherein the arrangement is programmed in such a way that the measurement or the capture is automatically effected when the predefined measurement position is reached.

12. A method for inspecting an object, the method comprising the following steps: providing a mobile measuring unit comprising a measurement device, providing detection means, wherein the mobile measuring unit non-destructively determines a measurement value concerning an internal structure and/or an internal state of components of the object, and the detection means detects a measurement position at which the measurement value is determined, and/or a measurement time at which the measurement value is determined, communicating the measurement value determined by the measuring unit at least together with the measurement position and/or measurement time detected by the detection means as a data set via a data interlace to a base unit, and storing the data set in the base unit, the method further comprising: communicating a data set from the base unit to a server, and the server comprises at least one stored data structure assigned to the object to be inspected, supplementing the data structure with the data set communicated by the base unit, and the server provides the data structure for an authorized user and/or a user on site, wherein the data structure is provided as a virtually accessible three-dimensional model of the object to be inspected, and the data structure and the virtual model based thereon are created and then continuously augmented by the server with the data communicated by the base unit concerning an internal structure and/or an internal state of the components of the measuring units, wherein the object is a construction or a moveable object.

13. The method as claimed in claim 12, wherein the data structure is provided in real time.

14. The method as claimed in claim 12, wherein an instruction is communicated by an authorized user via the server.

15. The method as claimed in claim 12, wherein a field of view is detected which encompasses at least the mobile measuring unit and/or the user on site during the determination of the measurement value and surroundings of the measurement position.

16. The method as claimed in claim 12, wherein the measurement position is marked on the object.

17. The method as claimed in claim 12, wherein direct surroundings of the measurement position are captured photographically and/or on film.

18. The method as claimed in claim 12, wherein a measurement or a capture is automatically effected when a predefined measurement position is reached.