
Subsea Soapbox

Successful Digitalisation of Integrity Management in the UK Continental Shelf



XODUS
ASSURE

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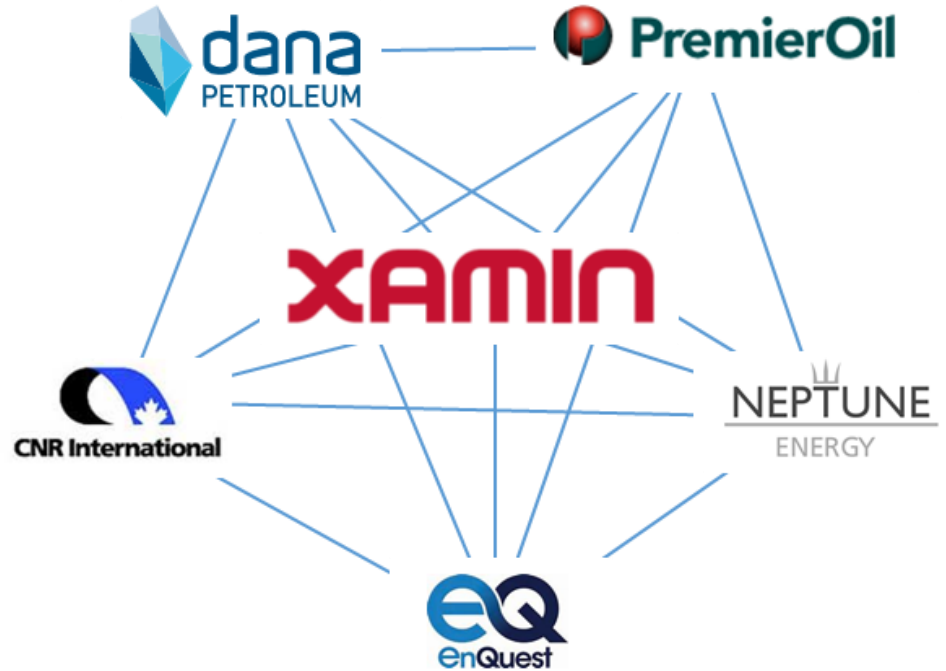
Successful Digitalisation of Integrity Management in UKCS

Operator Collaboration



62 Platforms
211 Pipelines
6 Onshore Plants
21 Subsea Tiebacks
180 Subsea Structures
72 Caissons
5 Bundles
153 Umbilicals
3 FPSOs

XAMIN

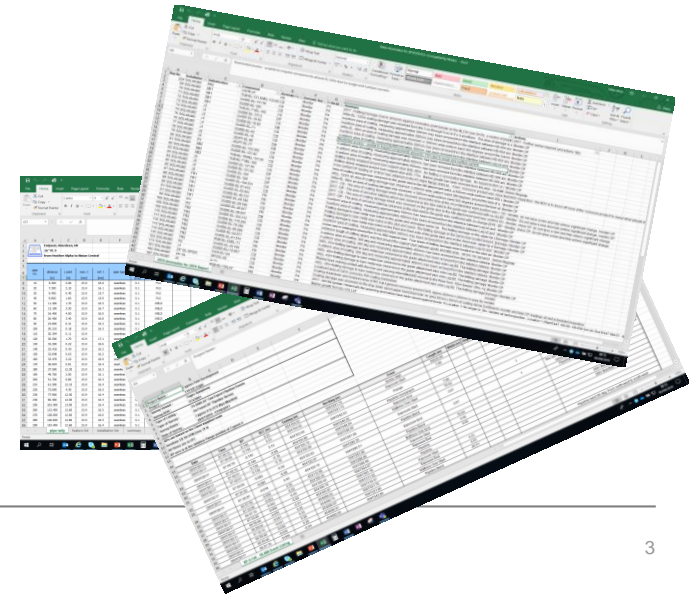


Successful Digitalisation of Integrity Management in UKCS

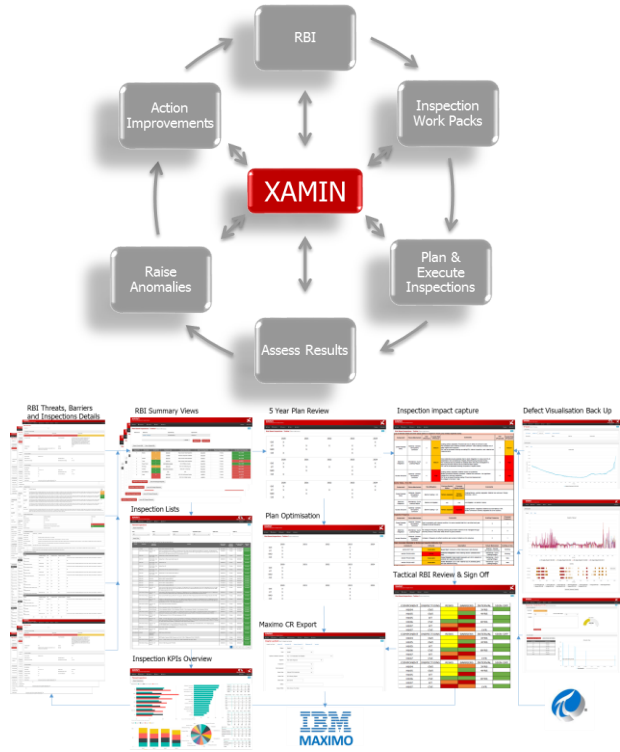
Identifying Problems & Risks



- > Sound engineering assessments being performed by good people
- > Siloed, offline systems:
 - Standalone, inconsistent information
 - Unable to quickly demonstrate and predict integrity
 - Uncertain senior management and struggling to justify budget requirements
- > Risks :
 - Over reliance on key individuals
 - Money spent in the wrong places
 - Never time to implement corrective actions
 - Aging assets have increased integrity workload
- > Barriers:
 - Expected costs
 - Historical data gaps
 - Interfacing with historical systems



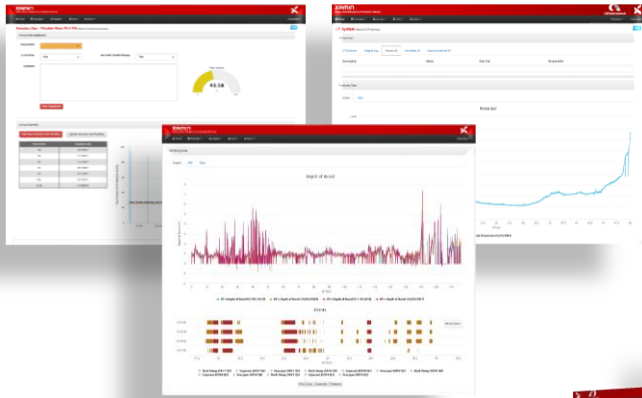
Successful Digitalisation of Integrity Management in UKCS Solutions



The screenshot displays the XAMIN software interface, specifically the 'Anomalies' dashboard. The interface includes a navigation bar at the top with the XAMIN logo and user information. Below the navigation bar, there are several filter options for 'Area', 'Type', 'Component', 'Inspection', 'Date Issued', and 'Risk Rating'. A 'Filter' button is also present. The dashboard features two charts: 'Anomaly Status' and 'Anomaly Stage'. The 'Anomaly Status' chart shows a distribution of anomalies across different categories: Further Assessment, To be Monitored, Remedial Action, and Closed. The 'Anomaly Stage' chart shows the distribution of anomalies across different stages: Notified, Proposed, Classified, and Approved. Below the charts, there is a table of anomalies with columns for Anomaly ID, Asset Area, Asset, Type, Component, Inspection, Date Issued, Code, Description, and Risk Rating. The table contains several rows of data, each representing a specific anomaly.

Anomaly ID	Asset Area	Asset	Type	Component	Inspection	Date Issued	Code	Description	Risk Rating
4852-1	U01	Turbine 1	Turbine 1	Turbine 1	Blades	23/09/19	1A	Blade scanning and monitoring in	Low
4852-2	U01	Turbine 1	Turbine 1	U01	U01 Inspect	23/09/19	1A	Blade 11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-122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Successful Digitalisation of Integrity Management in UKCS Solutions



Successful Digitalisation of Integrity Management in UKCS

Successes & Lessons



- > Successes:
 - Xodus developed our first solution for less than the client had spent on assessing systems two years previously
 - Significantly reduced duration for TAs to access condition assessments
 - Excellent HSE feedback
 - Visualisation of freespans easily identified shifting location
 - Return of investment per £ of 100 times typical

 - > Lessons:
 - Company champions are essential for interfaces to be successful
 - Linking together activities and tracking in a single system saves exorbitant amount of time
 - One solution doesn't fit all – bespoke design based on standard modules
 - Modular build means you don't have to do it all at once
 - Senior management support is key
-

Successful Digitalisation of Integrity Management in UKCS

Questions?



Thank You

Further questions contact:

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