

## Project Union | UK Hydrogen backbone 2024, update



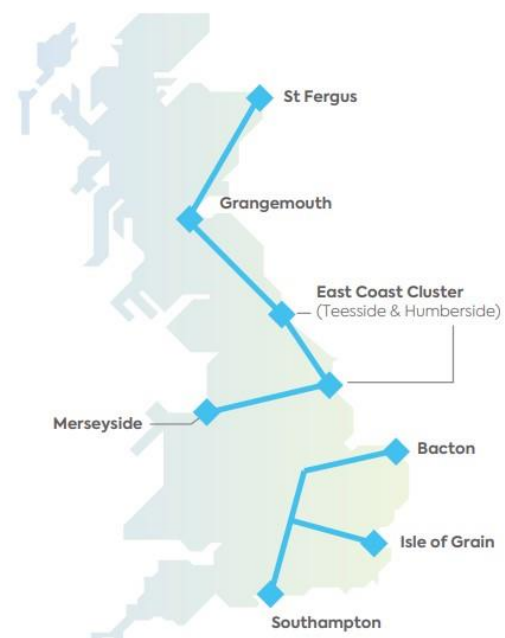


Integrating the recent ARUP Hydrogen export report into the extant CRAL overview

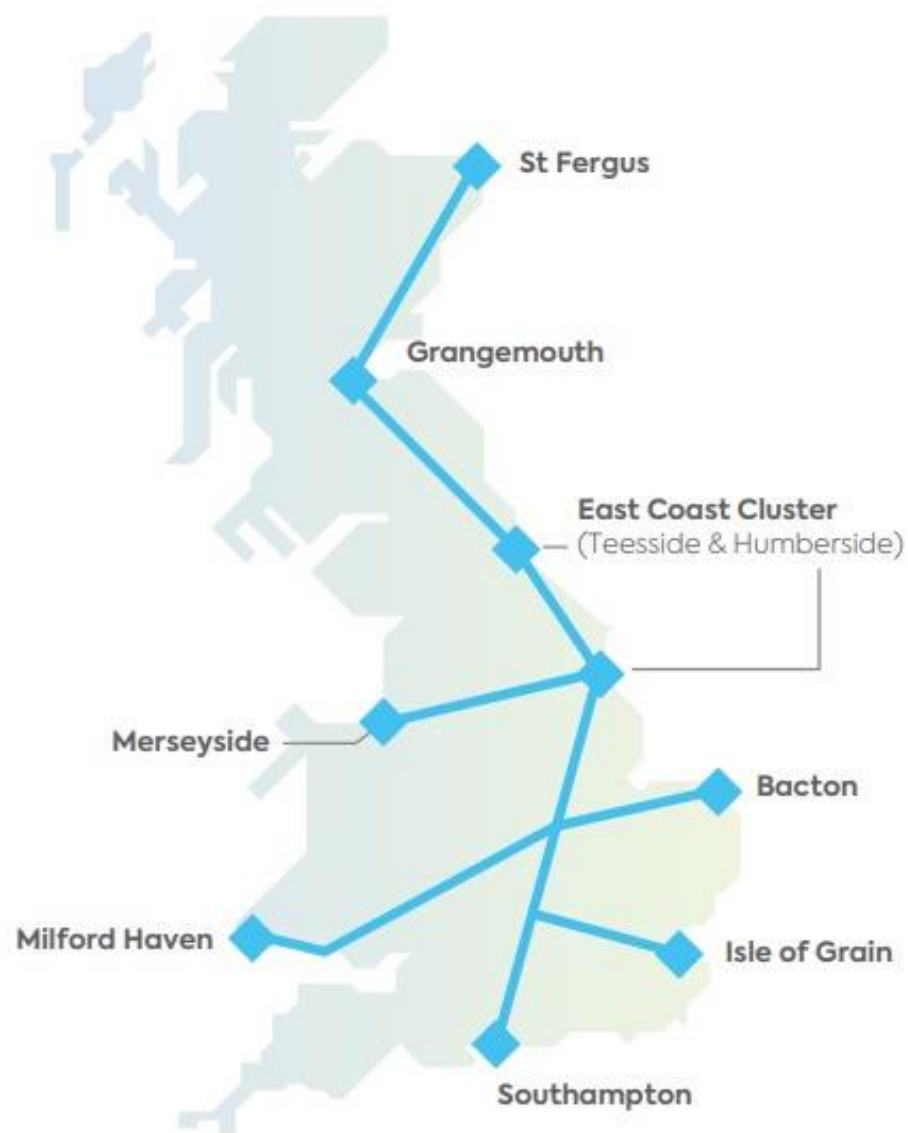
## Phase 1

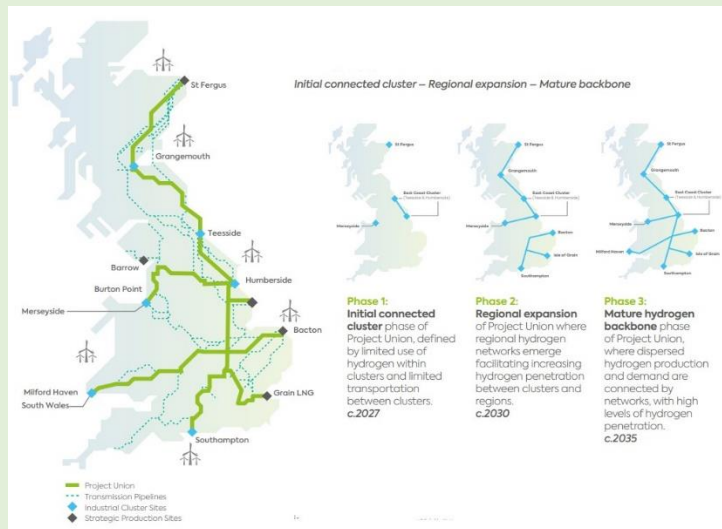


## Phase 2

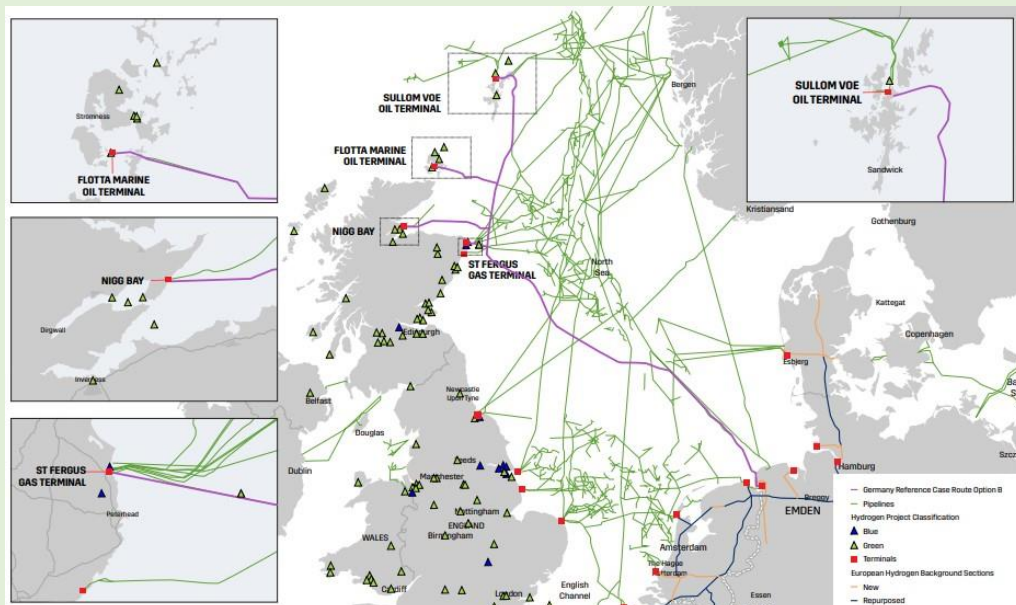
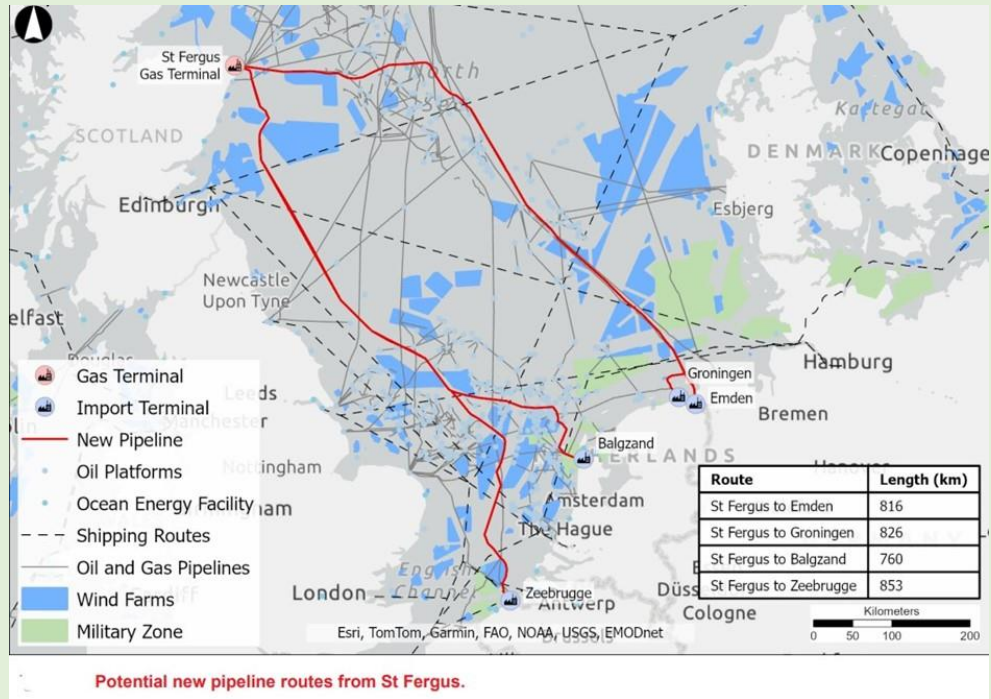


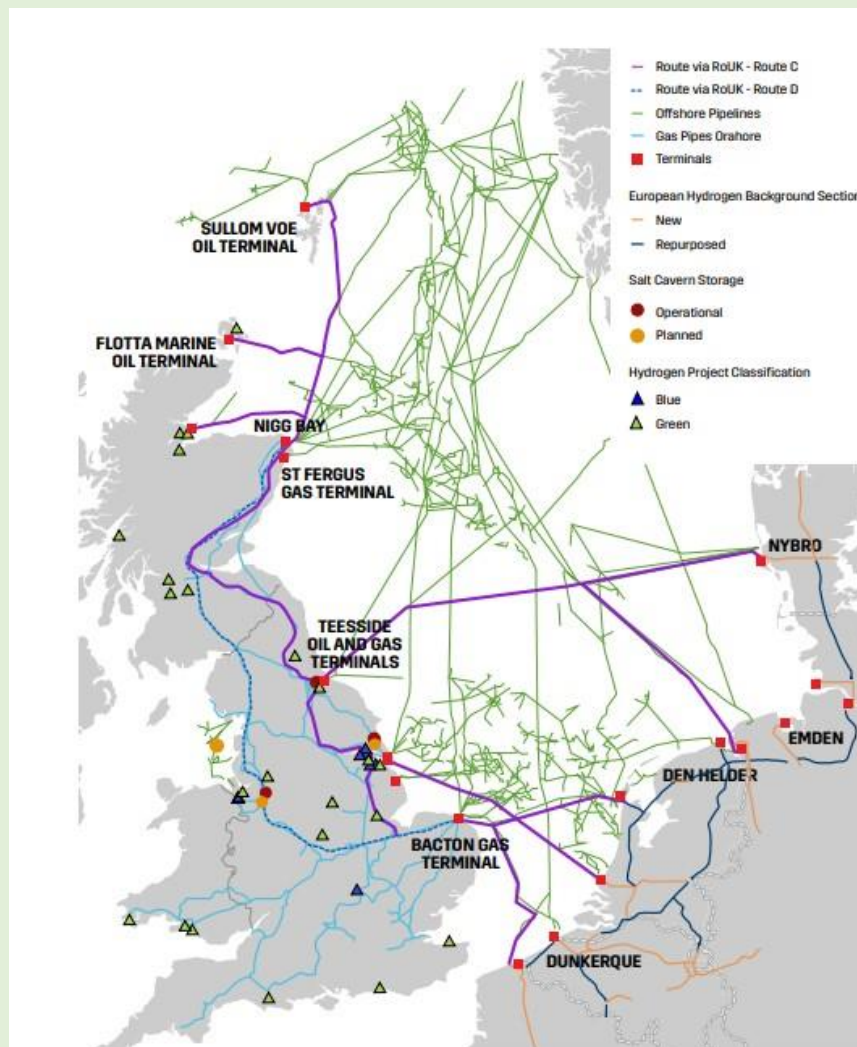
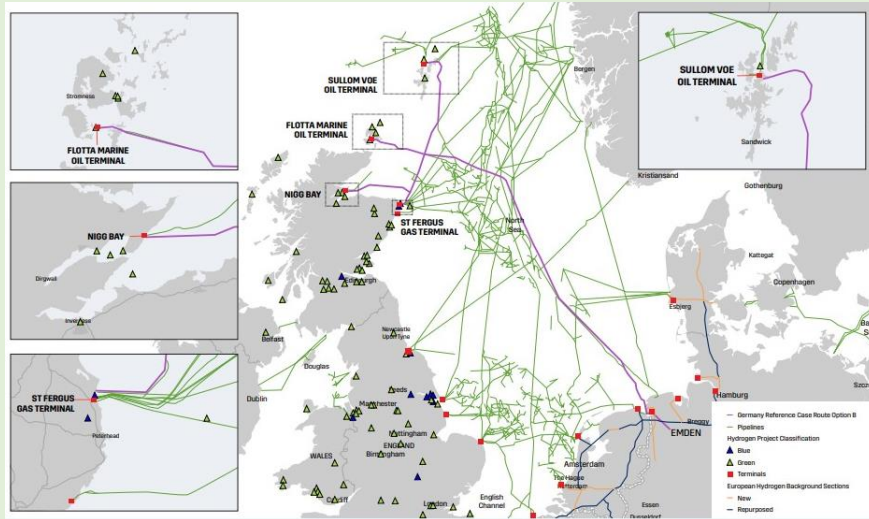
3

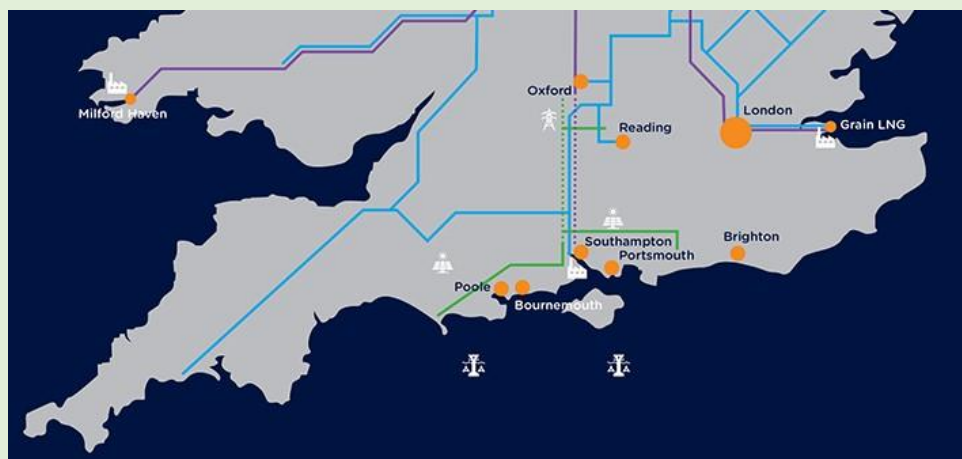
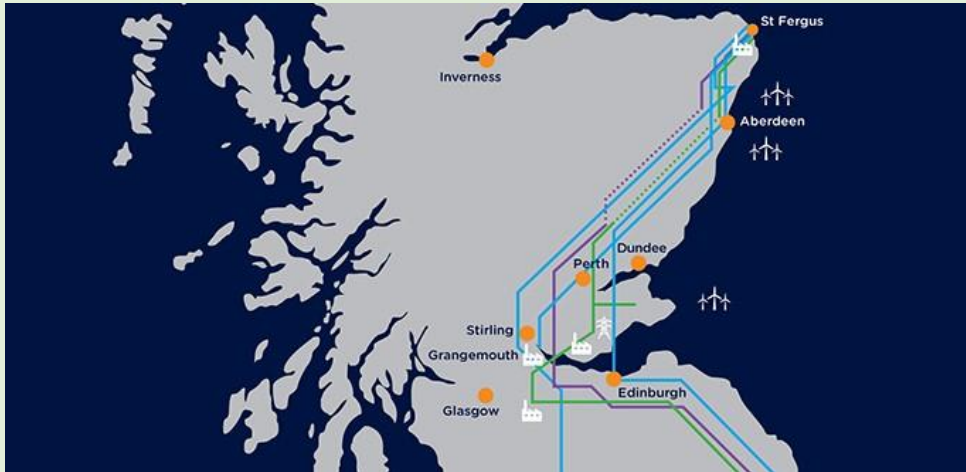




# Scottish Network Modelling

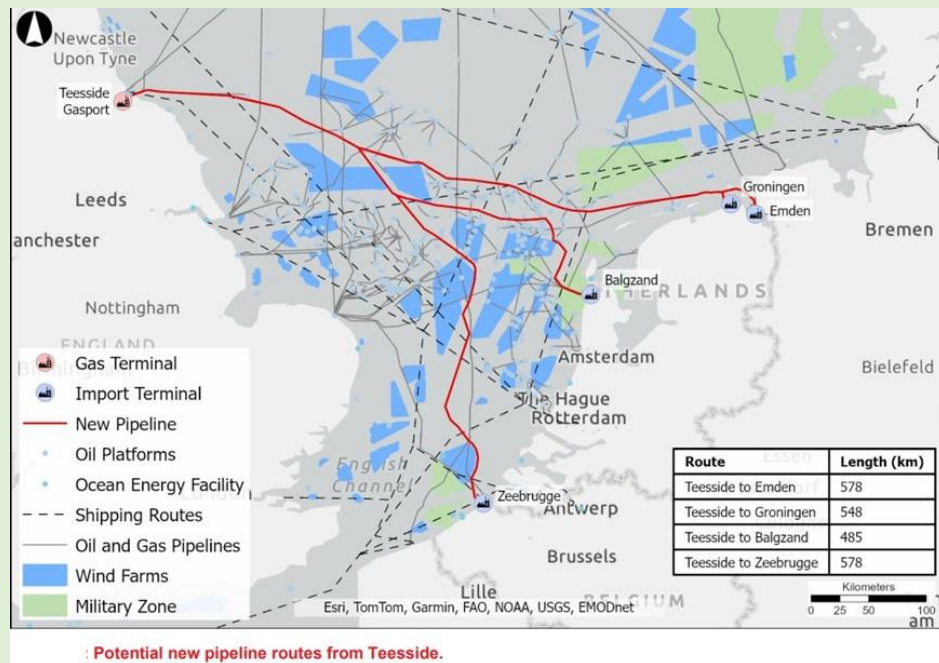


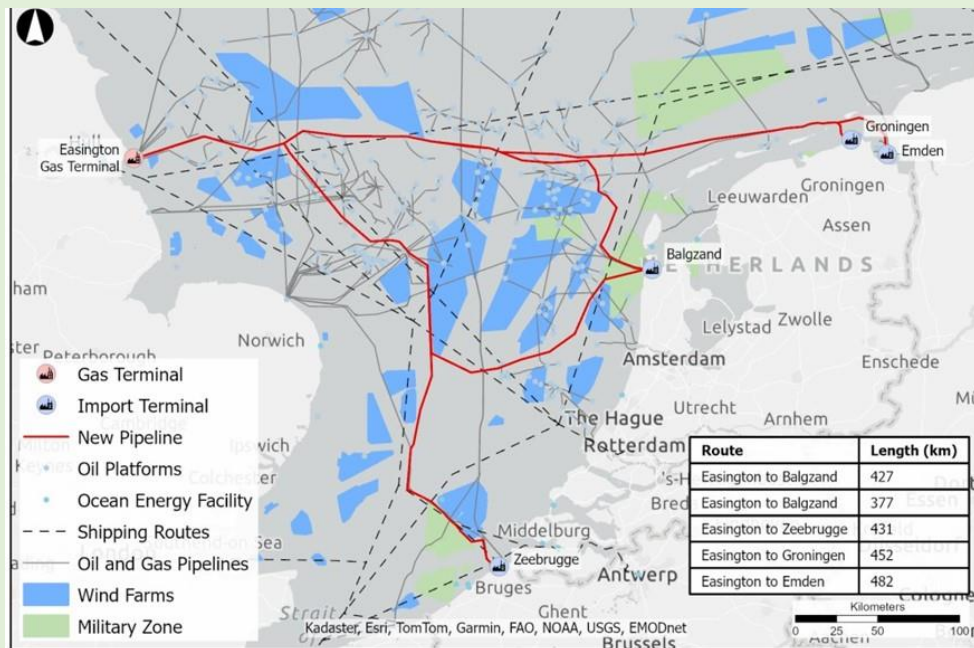






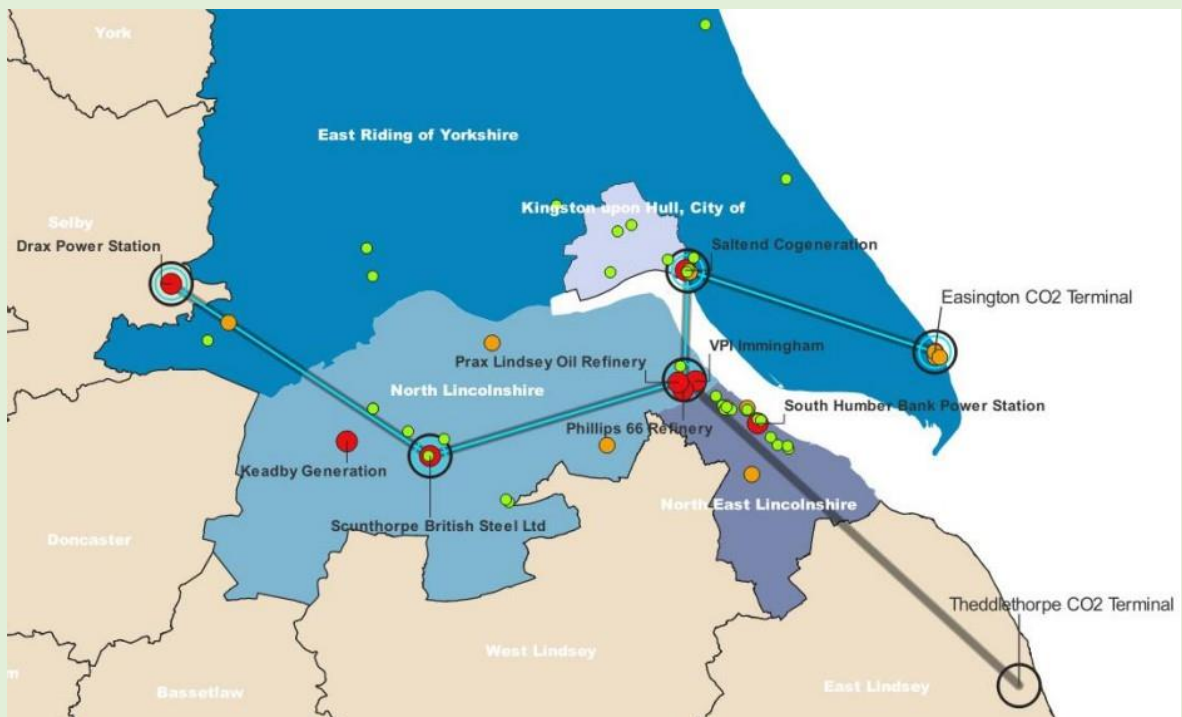
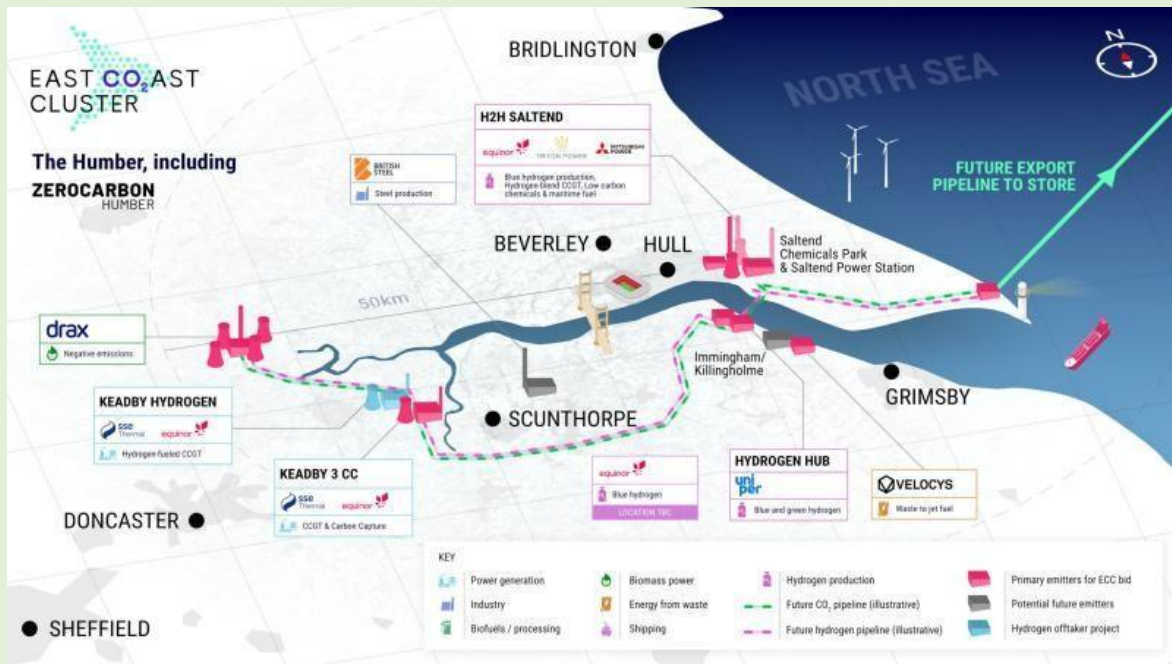
# UK wide modelling





Potential new pipeline routes from Easington.





## Rev 2.0

[Zoom in to see more](#)

SITES OF POTENTIAL HIGHLIGHTED IN OUR REPORTS

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**NEW RESEARCH: CHERRY TOES**      **NATIONAL UNIVERSITY**

10. [Download the PDF](#)



- metabolic force cost

(TOTAL PER MESSAGE DAY, BOTH DIRECTIONS)

Income	2000	2001	2002
< \$25,000	10,000	10,000	10,000
\$25,000 - \$50,000	10,000	10,000	10,000
\$50,000 - \$75,000	10,000	10,000	10,000
\$75,000 - \$100,000	10,000	10,000	10,000
\$100,000 - \$125,000	10,000	10,000	10,000
\$125,000 - \$150,000	10,000	10,000	10,000
\$150,000 - \$175,000	10,000	10,000	10,000
\$175,000 - \$200,000	10,000	10,000	10,000
\$200,000 - \$225,000	10,000	10,000	10,000
\$225,000 - \$250,000	10,000	10,000	10,000
\$250,000 - \$275,000	10,000	10,000	10,000
\$275,000 - \$300,000	10,000	10,000	10,000
\$300,000 - \$325,000	10,000	10,000	10,000
\$325,000 - \$350,000	10,000	10,000	10,000
\$350,000 - \$375,000	10,000	10,000	10,000
\$375,000 - \$400,000	10,000	10,000	10,000
\$400,000 - \$425,000	10,000	10,000	10,000
\$425,000 - \$450,000	10,000	10,000	10,000
\$450,000 - \$475,000	10,000	10,000	10,000
\$475,000 - \$500,000	10,000	10,000	10,000
\$500,000 - \$525,000	10,000	10,000	10,000
\$525,000 - \$550,000	10,000	10,000	10,000
\$550,000 - \$575,000	10,000	10,000	10,000
\$575,000 - \$600,000	10,000	10,000	10,000
\$600,000 - \$625,000	10,000	10,000	10,000
\$625,000 - \$650,000	10,000	10,000	10,000
\$650,000 - \$675,000	10,000	10,000	10,000
\$675,000 - \$700,000	10,000	10,000	10,000
\$700,000 - \$725,000	10,000	10,000	10,000
\$725,000 - \$750,000	10,000	10,000	10,000
\$750,000 - \$775,000	10,000	10,000	10,000
\$775,000 - \$800,000	10,000	10,000	10,000
\$800,000 - \$825,000	10,000	10,000	10,000
\$825,000 - \$850,000	10,000	10,000	10,000
\$850,000 - \$875,000	10,000	10,000	10,000
\$875,000 - \$900,000	10,000	10,000	10,000
\$900,000 - \$925,000	10,000	10,000	10,000
\$925,000 - \$950,000	10,000	10,000	10,000
\$950,000 - \$975,000	10,000	10,000	10,000
\$975,000 - \$1,000,000	10,000	10,000	10,000
\$1,000,000 - \$1,025,000	10,000	10,000	10,000
\$1,025,000 - \$1,050,000	10,000	10,000	10,000
\$1,050,000 - \$1,075,000	10,000	10,000	10,000
\$1,075,000 - \$1,100,000	10,000	10,000	10,000
\$1,100,000 - \$1,125,000	10,000	10,000	10,000
\$1,125,000 - \$1,150,000	10,000	10,000	10,000
\$1,150,000 - \$1,175,000	10,000	10,000	10,000
\$1,175,000 - \$1,200,000	10,000	10,000	10,000
\$1,200,000 - \$1,225,000	10,000	10,000	10,000
\$1,225,000 - \$1,250,000	10,000	10,000	10,000
\$1,250,000 - \$1,275,000	10,000	10,000	10,000
\$1,275,000 - \$1,300,000	10,000	10,000	10,000
\$1,300,000 - \$1,325,000	10,000	10,000	10,000
\$1,325,000 - \$1,350,000	10,000	10,000	10,000
\$1,350,000 - \$1,375,000	10,000	10,000	10,000
\$1,375,000 - \$1,400,000	10,000	10,000	10,000
\$1,400,000 - \$1,425,000	10,000	10,000	10,000
\$1,425,000 - \$1,450,000	10,000	10,000	10,000
\$1,450,000 - \$1,475,000	10,000	10,000	10,000
\$1,475,000 - \$1,500,000	10,000	10,000	10,000
\$1,500,000 - \$1,525,000	10,000	10,000	10,000

— 834 — — 835 — — 836 —

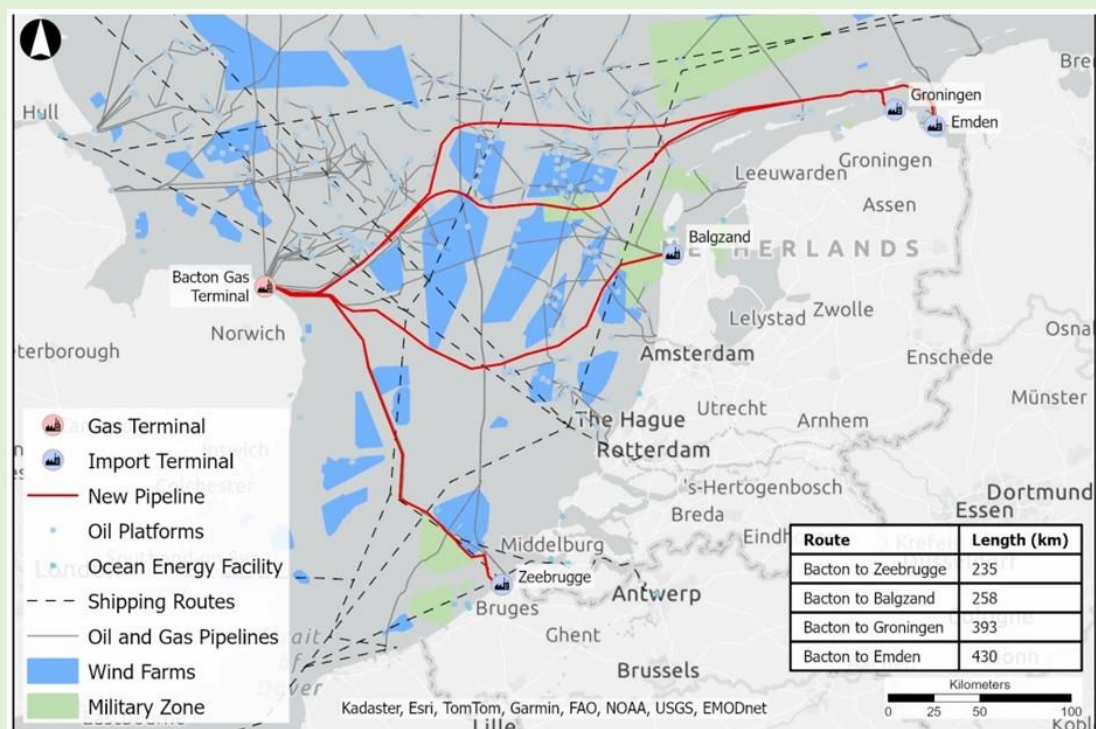
- | Message | Pressure | Reason |
|---------|----------|--------|
| 1       | 1        | 1      |
| 2       | 2        | 2      |
| 3       | 3        | 3      |
| 4       | 4        | 4      |
| 5       | 5        | 5      |
| 6       | 6        | 6      |
| 7       | 7        | 7      |
| 8       | 8        | 8      |
| 9       | 9        | 9      |
| 10      | 10       | 10     |
| 11      | 11       | 11     |
| 12      | 12       | 12     |
| 13      | 13       | 13     |
| 14      | 14       | 14     |
| 15      | 15       | 15     |
| 16      | 16       | 16     |
| 17      | 17       | 17     |
| 18      | 18       | 18     |
| 19      | 19       | 19     |
| 20      | 20       | 20     |
| 21      | 21       | 21     |
| 22      | 22       | 22     |
| 23      | 23       | 23     |
| 24      | 24       | 24     |
| 25      | 25       | 25     |
| 26      | 26       | 26     |
| 27      | 27       | 27     |
| 28      | 28       | 28     |
| 29      | 29       | 29     |
| 30      | 30       | 30     |
| 31      | 31       | 31     |
| 32      | 32       | 32     |
| 33      | 33       | 33     |
| 34      | 34       | 34     |
| 35      | 35       | 35     |
| 36      | 36       | 36     |
| 37      | 37       | 37     |
| 38      | 38       | 38     |
| 39      | 39       | 39     |
| 40      | 40       | 40     |
| 41      | 41       | 41     |
| 42      | 42       | 42     |
| 43      | 43       | 43     |
| 44      | 44       | 44     |
| 45      | 45       | 45     |
| 46      | 46       | 46     |
| 47      | 47       | 47     |
| 48      | 48       | 48     |
| 49      | 49       | 49     |
| 50      | 50       | 50     |
| 51      | 51       | 51     |
| 52      | 52       | 52     |
| 53      | 53       | 53     |
| 54      | 54       | 54     |
| 55      | 55       | 55     |
| 56      | 56       | 56     |
| 57      | 57       | 57     |
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| 59      | 59       | 59     |
| 60      | 60       | 60     |
| 61      | 61       | 61     |
| 62      | 62       | 62     |
| 63      | 63       | 63     |
| 64      | 64       | 64     |
| 65      | 65       | 65     |
| 66      | 66       | 66     |
| 67      | 67       | 67     |
| 68      | 68       | 68     |
| 69      | 69       | 69     |
| 70      | 70       | 70     |
| 71      | 71       | 71     |
| 72      | 72       | 72     |
| 73      | 73       | 73     |
| 74      | 74       | 74     |
| 75      | 75       | 75     |
| 76      | 76       | 76     |
| 77      | 77       | 77     |
| 78      | 78       | 78     |
| 79      | 79       | 79     |
| 80      | 80       | 80     |
| 81      | 81       | 81     |
| 82      | 82       | 82     |
| 83      | 83       | 83     |
| 84      | 84       | 84     |
| 85      | 85       | 85     |
| 86      | 86       | 86     |
| 87      | 87       | 87     |
| 88      | 88       | 88     |
| 89      | 89       | 89     |
| 90      | 90       | 90     |
| 91      | 91       | 91     |
| 92      | 92       | 92     |
| 93      | 93       | 93     |
| 94      | 94       | 94     |
| 95      | 95       | 95     |
| 96      | 96       | 96     |
| 97      | 97       | 97     |
| 98      | 98       | 98     |
| 99      | 99       | 99     |
| 100     | 100      | 100    |

## (TOP 20 INDIVIDUAL POINTS)

>50      >500      >1000

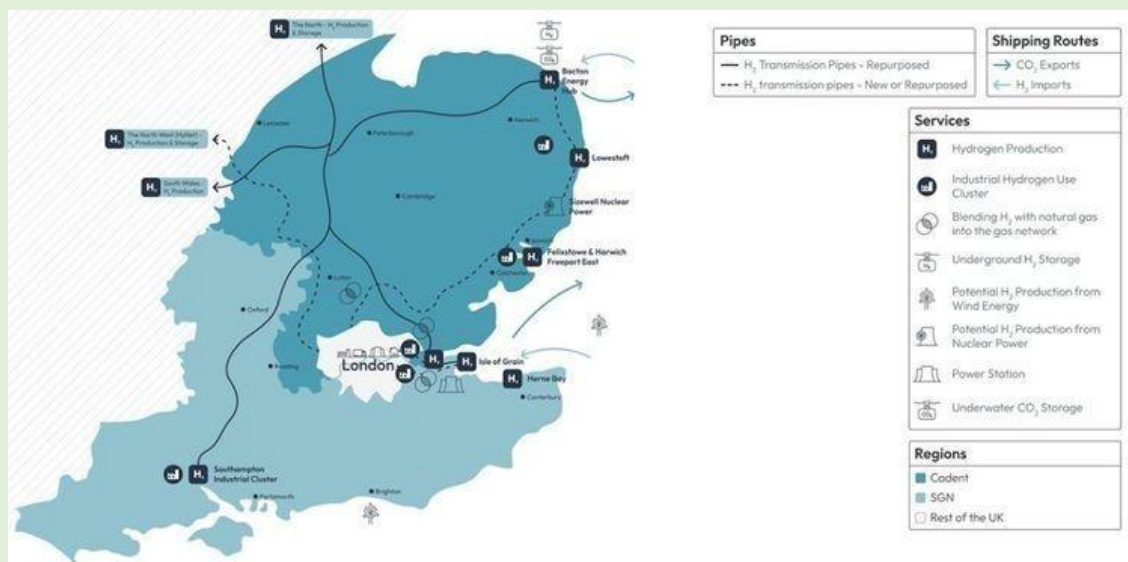
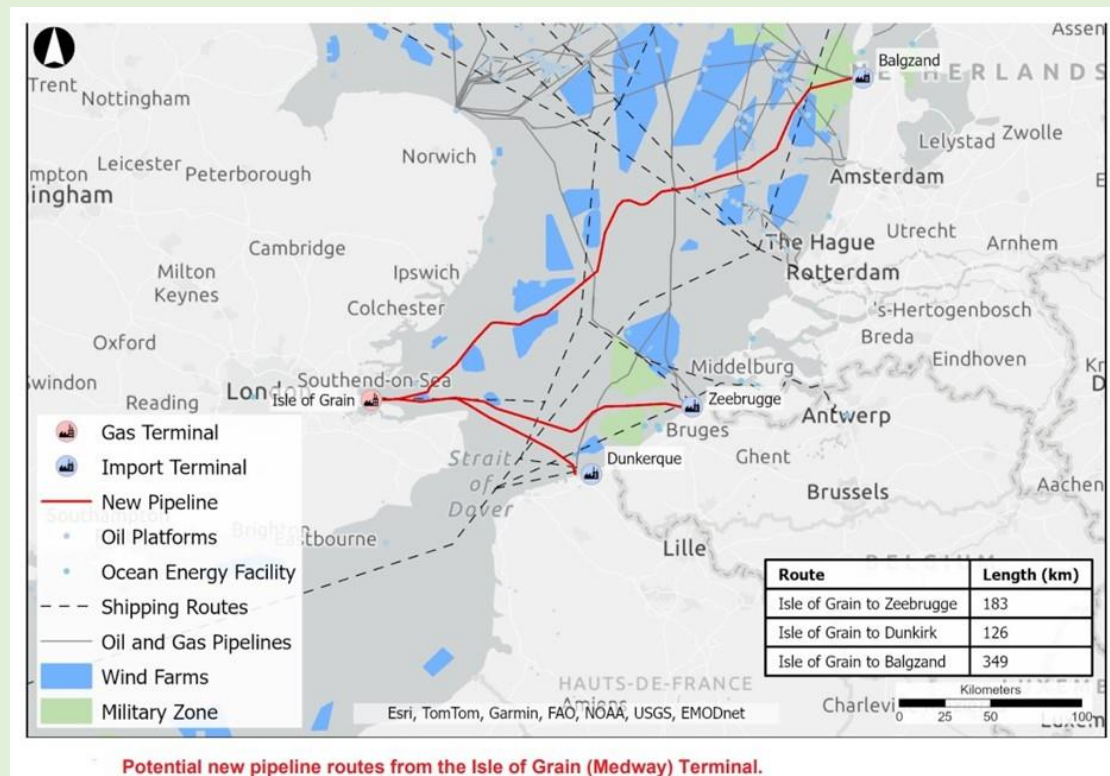
● 数量关系

- doi:** 10.1371/journal.pone.0184028



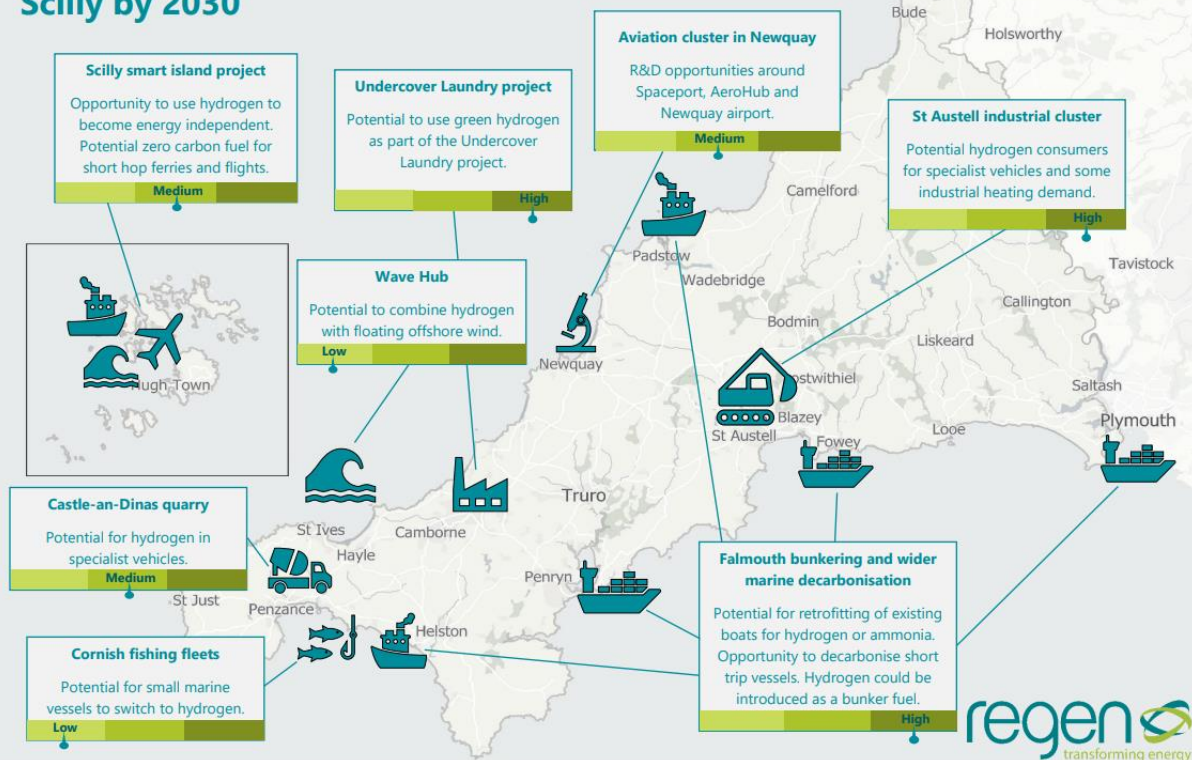
**Potential new pipeline routes from Bacton.**



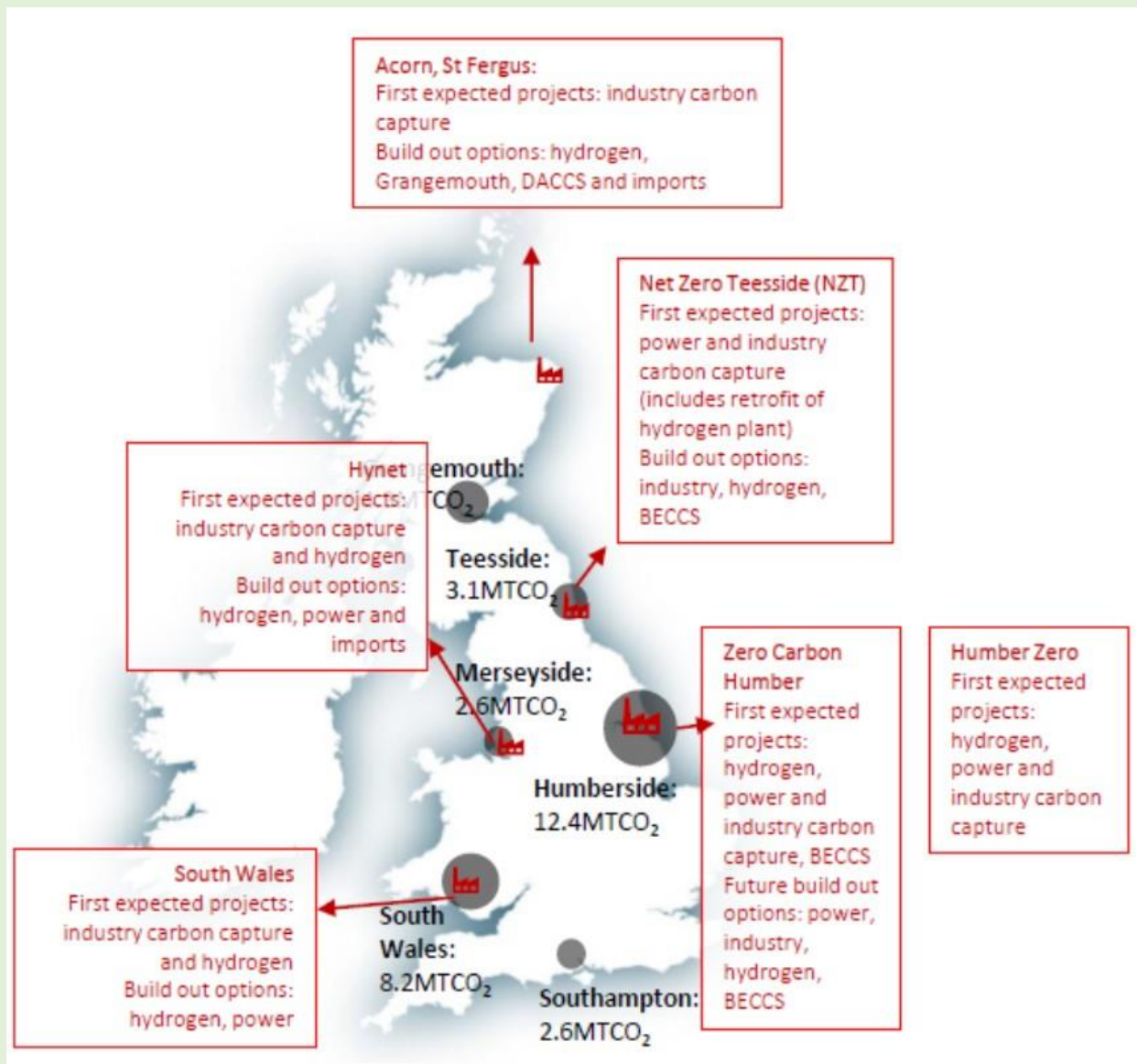


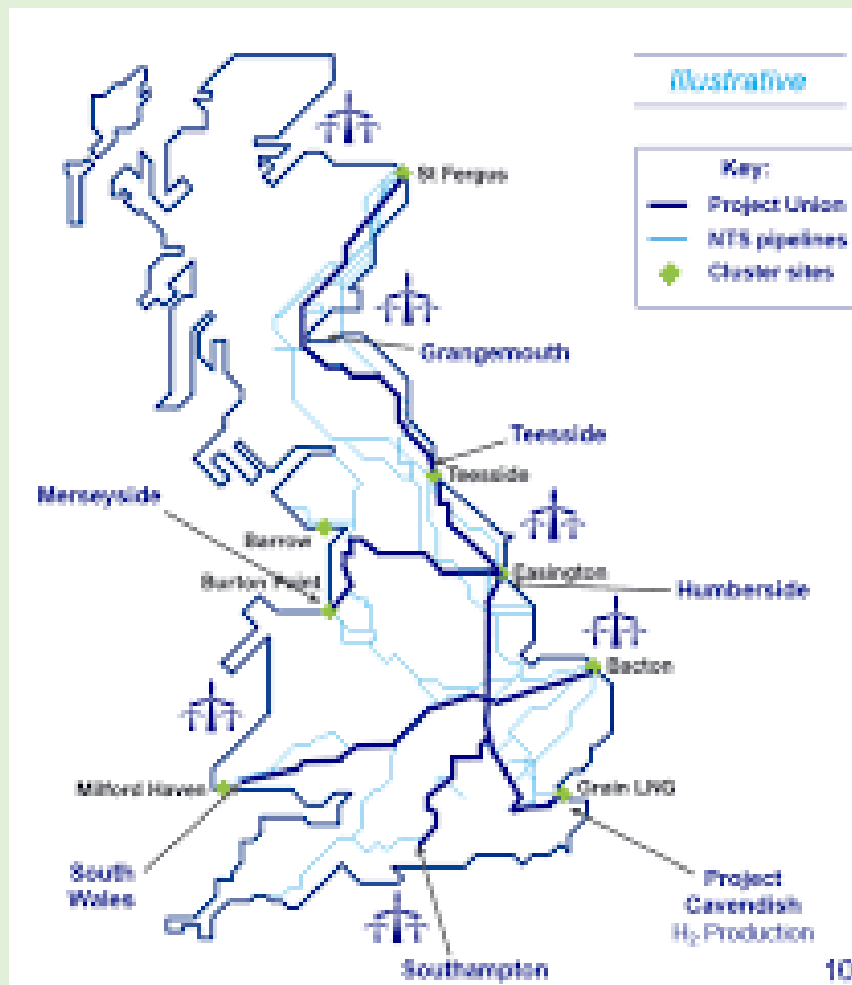


## Hydrogen opportunities in Cornwall and the Isles of Scilly by 2030









10





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